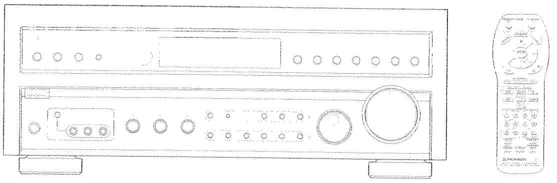
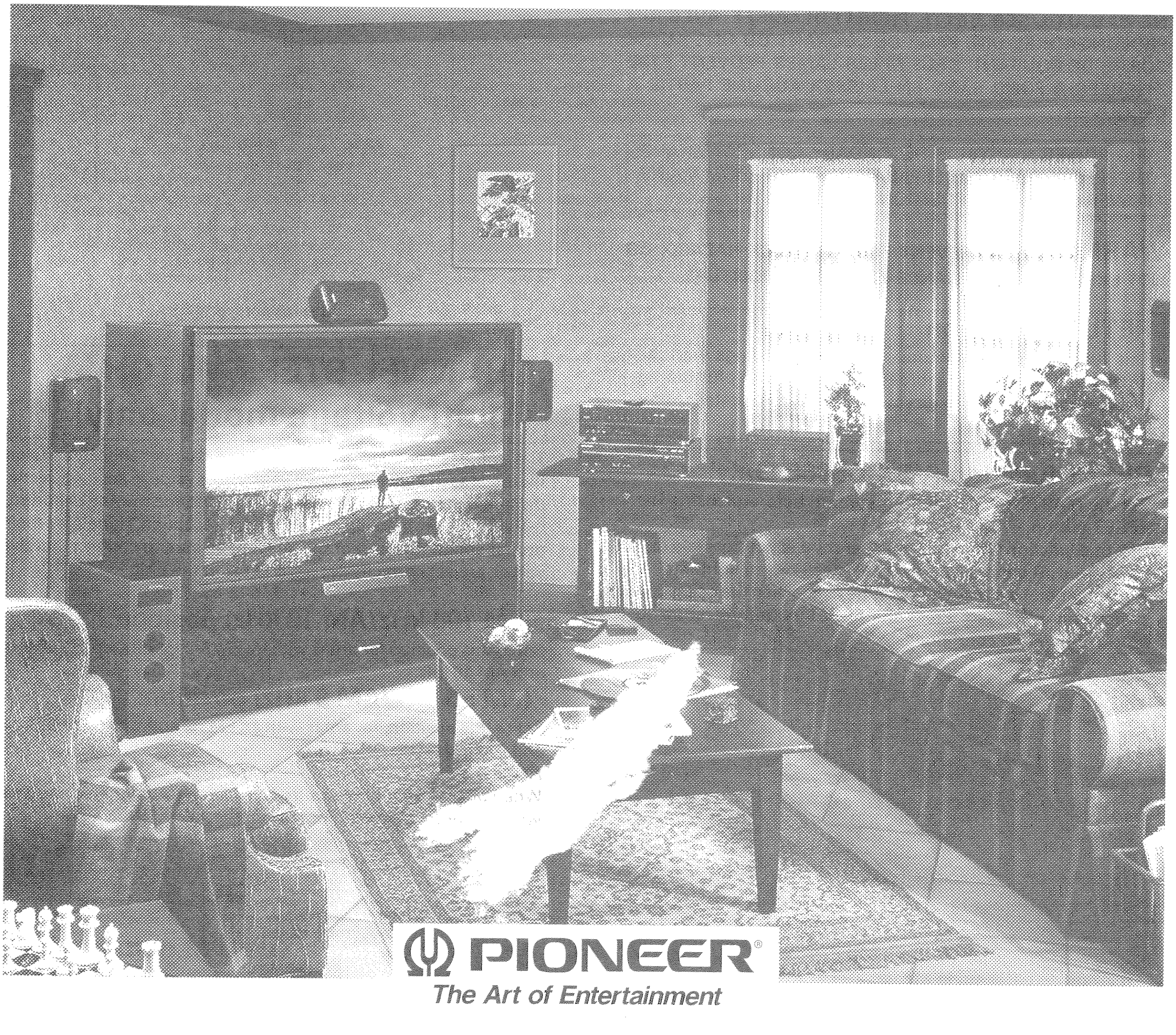
H3

Operating Instructions

AUDIO/ VIDEO STEREO RECEIVER

VSX-D606S
VSX-D506S





PIONEER®

The Art of Entertainment

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However the method of connecting and operating the unit is the same.

IMPORTANT NOTICE
[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

CAUTION: **TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.**

ATTENTION: **POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.**

THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION.

WARNING: **TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

RETURN function

This function returns the unit to its initial settings with the tuner ready to receive a broadcast. This is helpful during troubleshooting or when no sound is output. For details, refer to page 44.

RESET function (VSX-D606S Only)

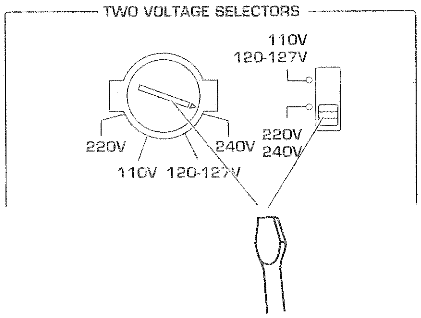
Set the MASTER VOLUME to minimum before pressing the RESET button.
Use this function when normal operation is not possible due to external influences such as static electricity or lightning, or when operations are not functioning even when the operation switches are pressed. Press the RESET button to return to normal operating conditions.

TWO VOLTAGE SELECTOR SWITCHES

Only multi-voltage model is provided with these switches. U.S. and Canadian models are not provided with these switches. Mains voltages in Saudi Arabia are 127 V and 220 V only. Never use this model with the 110 V setting in Saudi Arabia.

The line voltage selector switches are on the rear panel. Check that they are set properly before plugging the power cord into the household wall socket. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switches as follows.

1. Use a medium-size screwdriver.
2. First, insert the screwdriver in the groove of the voltage selector at the left, and adjust so that the tip of the groove points to the voltage value of your area.
3. Next, insert the screwdriver in the groove of the voltage selector at the right and adjust until the voltage is the same as at the left.



Medium-size screwdriver

CHANNEL STEP SWITCH (Multi-voltage model only)

The unit has been factory preset to the channel allocation value for the area in which it is to be sold. If this value is set incorrectly, the tuned in frequency may be wrong, or sound may be distorted, resulting in an inability to reproduce reception signals at their proper sound quality. For this reason, be sure to confirm that the values are set correctly before first using the unit.

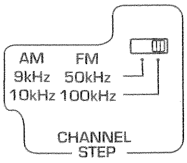
(FM 100 kHz/AM 10 kHz) position:

Set to this position for areas with an FM reception step of 100 kHz and AM 10 kHz.

(FM 50 kHz/AM 9 kHz) position:

Set to this position, for areas with an FM reception step of 50 kHz and AM 9 kHz.

NOTE:
When unsure about the channel allocation for your area, consult your dealer for correct information.



IMPORTANT

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the product is operated.

RETAIN INSTRUCTIONS — The safety and operating instructions should be retained for future reference.

HEED WARNINGS — All warnings on the product and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

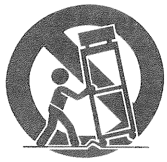
CLEANING — The product should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

ATTACHMENTS — Do not use attachments not recommended by the product manufacturer as they may cause hazards.

WATER AND MOISTURE — Do not use this product near water — for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

ACCESSORIES — Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

CART — A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



VENTILATION — Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

POWER SOURCES — This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

LOCATION – The appliance should be installed in a stable location.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

GROUNDING OR POLARIZATION

- If this product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other), it will fit into the outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- If this product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin, it will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

OUTDOOR ANTENNA GROUNDING — If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.

LIGHTNING — For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

POWER LINES — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

OVERLOADING — Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

OBJECT AND LIQUID ENTRY — Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

SERVICING — Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

DAMAGE REQUIRING SERVICE — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance — this indicates a need for service.

REPLACEMENT PARTS — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

SAFETY CHECK — Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

WALL OR CEILING MOUNTING — The product should not be mounted to a wall or ceiling.

HEAT — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

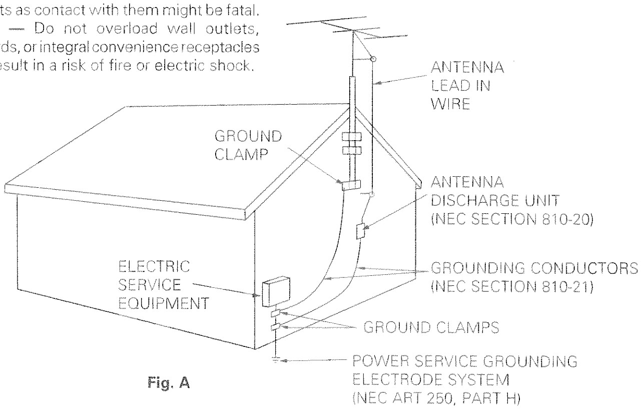

ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

Fig. A

NEC — NATIONAL ELECTRICAL CODE

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

FEATURES

☐ DOLBY DIGITAL (VSX-D606S ONLY)

By playing back Dolby Digital-compatible LD and DVD software, the dynamic effects of movie theaters and concert halls can be easily at home.

☐ DOLBY PRO LOGIC COMPATIBLE

Best suited for playing back movies and music by reproducing surround effects.

☐ 100 W 5 ch EQUAL POWER DISCRETE AMPLIFIER

5 ch equal power discrete amplifier which plays back the high quality effect of Dolby Digital.

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□ CONTROL OF OTHER MANUFACTURER'S EQUIPMENT USING THE MULTI CONTROL REMOTE CONTROL UNIT

Can be used to operate other manufacturer products with by multi control remote control unit by presetting and learning functions.

□ VARIOUS SURROUND EFFECTS (DSP)

Reproduces five different surround effects.

□ 5-D THEATER

The 5-D THEATER function provides clear dynamic sound effects by outputting audio signals through the rear channel to simulate stereo sound.

4. VARIOUS OPERATIONS

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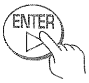
READING THIS MANUAL

■Meaning of Marks

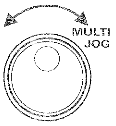
memo	Provides detailed precautions and advice on operations, etc.
✺	Indicates that buttons or displays are blinking.
✳	Indicates that buttons or displays are lit.
⇣	Indicates that display changes automatically.
⇣ ⇡	Indicates that displays alternate.

■Meaning of Illustrations

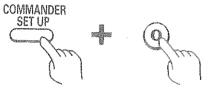
The following describes illustrations on pressing buttons.



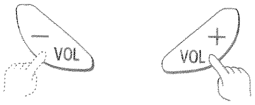
Means to press the ENTER button (of the remote control unit).



Means to rotate (adjust) the MULTI JOG.



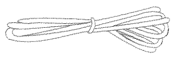
Means to press the 0 button (of the remote control unit) while pressing the COMMANDER SET UP button (of the remote control unit).



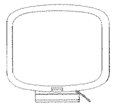
Means to press the VOL – button (of the remote control unit) or VOL + button (of the remote control unit).

1. BEFORE USE

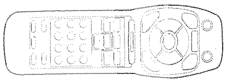
CHECKING ACCESSORIES



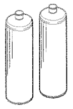
FM antenna



AM loop antenna



Remote control unit

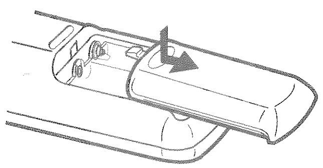


Alkaline dry cell battery (size "AA" IEC LR6) x 2

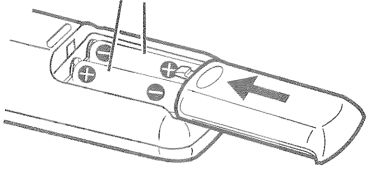
REMOTE CONTROL UNIT

Loading remote control batteries

1\.



2. AA dry cell batteries (LR6)

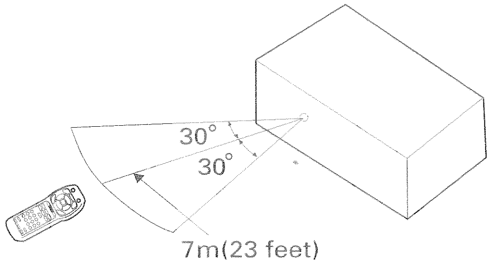


CAUTIONS

Incorrect use of batteries may result in such hazards as leakage and bursting. Observe the following precautions.

- Never use new and old batteries together.
- Insert the plus and minus sides of the batteries properly according to the marks in the battery case.
- Batteries with the same shape may have different voltages. Do not use different batteries together.

Operating range of remote control unit



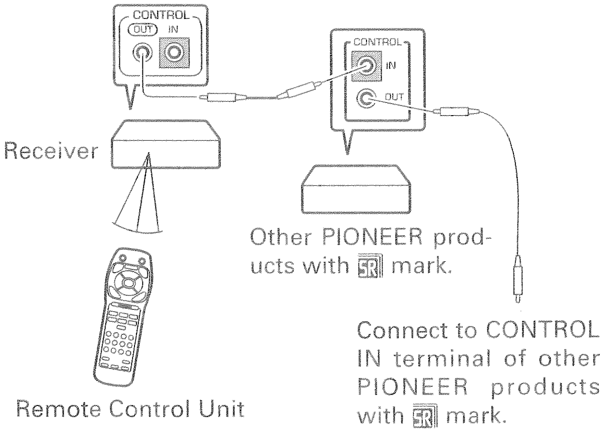
memo

- The remote control unit may not work if there are obstacles between the remote control unit and this unit, and if the remote control unit is not directed towards the remote sensor of the main unit at the correct angle.
- The remote control unit may not work properly if strong light such as direct sunlight and fluorescent light is shining onto the main unit's remote sensor.
- The remote control unit may not work properly when this unit is used near devices emitting infrared rays, or when remote control units of other devices which use infrared rays are used.
  On the other hand, the use of this remote control unit may cause other devices to work improperly.
- When the operating range of this remote control unit becomes too short, replace the batteries.

Operating the remote control unit

By connecting the control cord (optional), other PIONEER products can be operated using this remote control unit via this unit. Direct the remote control unit towards the remote sensor of this unit.

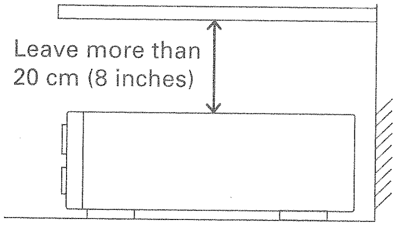
The remote control signals are received by the remote control remote sensor of this unit, and sent to the other devices via the CONTROL OUT terminal. By reading other manufacturers' preset codes or memorizing (learning) the remote control signals of other devices in this remote control unit, other manufacturers' can also be operated using this remote control unit.


CONTROL
OUT IN
CONTROL
IN
OUT
Receiver
Other PIONEER products with SR mark.
Connect to CONTROL IN terminal of other PIONEER products with SR mark.
Remote Control Unit

INSTALLATION

Installing this unit

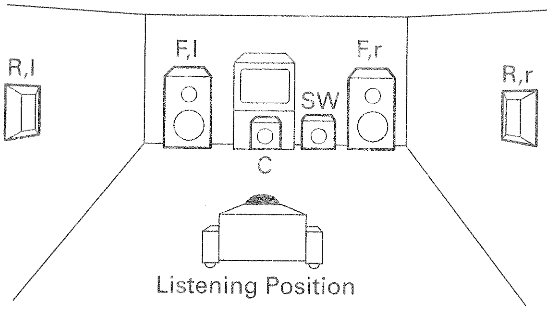
- Do not place objects on top of this unit so that radiated heat can be properly dispersed.
- When installing in racks, etc., leave more than 20 cm of space at the top.



Installing speakers

To achieve the best surround effects, install speakers as shown in the following figure.

Installation Example



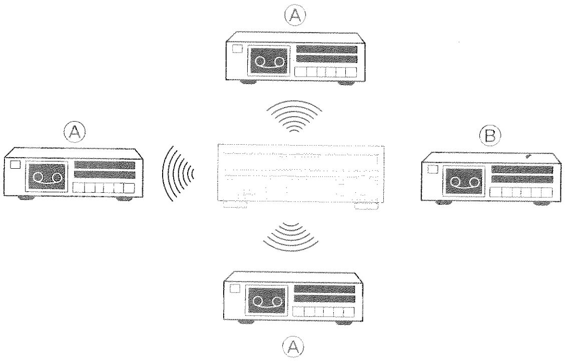
* In the above figure, F indicates front speakers, R indicates rear speakers, C indicates center speakers, SW indicates sub woofer, r indicates right, and l indicates left.

memo

- If installing the rear speakers far away from the front and center speakers, surround effects cannot be fully achieved.
- Installing speakers near the TV may cause interference such as the TV color to change. In such cases, use magnetically shielded speakers or install the speakers away from the TV.
- Install the left and right speakers at equal distance from the TV.
- Install the center speaker at the top, bottom, or behind the TV so that TV sound and images match.
- It is recommended to install the rear speakers slightly above ear level.

Installing the cassette deck

Installing the cassette deck in the following (A) positions in the figure may affect playback. It is recommended that it be installed in the (B) position.

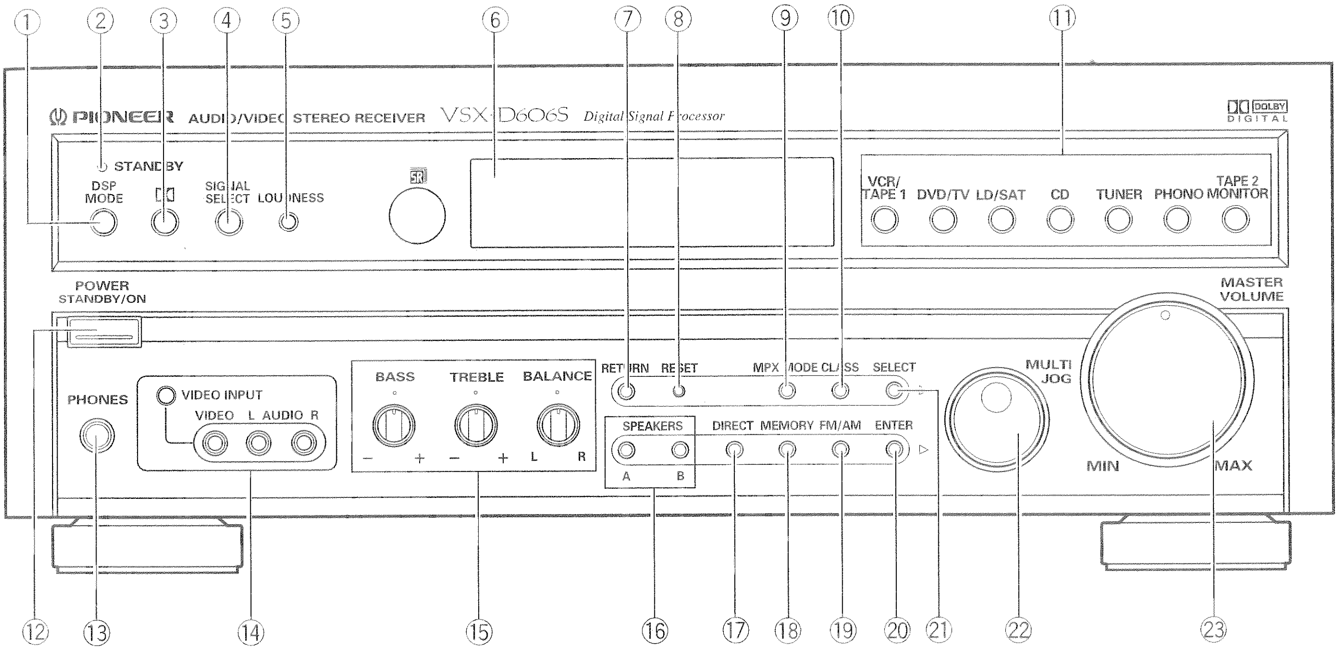


2. NAMES AND CONNECTIONS OF PARTS

NAMES OF PARTS

* The size of characters shown in the figure may differ from that on the actual product.
* The figure shows the VSX-D606S.

Front panel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PIONEER AUDIO/VIDEO STEREO RECEIVER VSX-D606S Digital Signal Processor
DOLBY DIGITAL
STANDBY
DSP MODE
SIGNAL SELECT
LOUDNESS
VCR/ TAPE 1
DVD/TV
LD/SAT
CD
TUNER
PHONO
TAPE 2 MONITOR
POWER STANDBY/ON
MASTER VOLUME
PHONES
VIDEO INPUT
VIDEO L AUDIO R
BASS
TREBLE
BALANCE
RETURN
RESET
MPX MODE
CLASS
SELECT
SPEAKERS
A
B
DIRECT
MEMORY
FM/AM
ENTER
MULTI JOG
MIN
MAX
⑫
⑬
⑭
⑮
⑯
⑰
⑱
⑲
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㉓

① **DSP MODE button (VSX-D606S) (P.33)**

② **STANDBY indicator**

③ **DD button (VSX-D606S) (P.34)**

④ **SIGNAL SELECT button (VSX-D606S) (P.38)**

⑤ **LOUDNESS button**
Press this button when the volume is low to raise the low and high range levels so that the sound can be heard more easily.

⑥ **Display**

⑦ **RETURN button (P.44)**

⑧ **RESET button (VSX-D606S) (P.49)**

⑨ **MPX MODE button**
Use to switch the auto stereo/monaural mode for receiving FM broadcasts. When the received broadcast signal is weak, press this button to set the monaural mode.

⑩ **CLASS button (P.17)**

⑪ **Function buttons (P.16~)**

⑫ **POWER STANDBY/ON button**

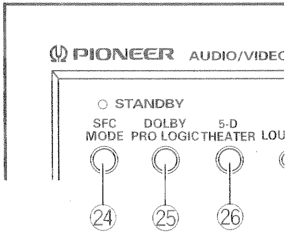
⑬ **PHONES jack (Headphone terminal)**

⑭ **VIDEO INPUT button/terminal (P.13)**
Connect to a video camera, etc.

⑮ **TONE and BALANCE controls**
Use to adjust tone and volume balance.

⑯ **SPEAKERS A, B buttons**
ON/OFF switches for the A and B speaker systems.

VSX-D506S


PIONEER AUDIO/VIDEO
STANDBY
SFC MODE
DOLBY PRO LOGIC
5-D THEATER
LOU
㉔
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⑰ **DIRECT button (VSX-D606S)**
Use to play back sound without going through the tone and balance control circuits. DOLBY MODE, DSP MODE and LOUDNESS also turn off.

⑱ **MEMORY button (P.17)**

⑲ **FM/AM button (P.16)**
Use to switch the FM/AM frequency band reception.

⑳ **ENTER button (P.17)**

㉑ **SELECT button (P.16)**
Use to switch the control of the MULTI JOG between station mode and frequency mode when operating the tuner.

㉒ **MULTI JOG (P.16~)**
Use to select the frequency and station number when operating the tuner.

㉓ **MASTER VOLUME**

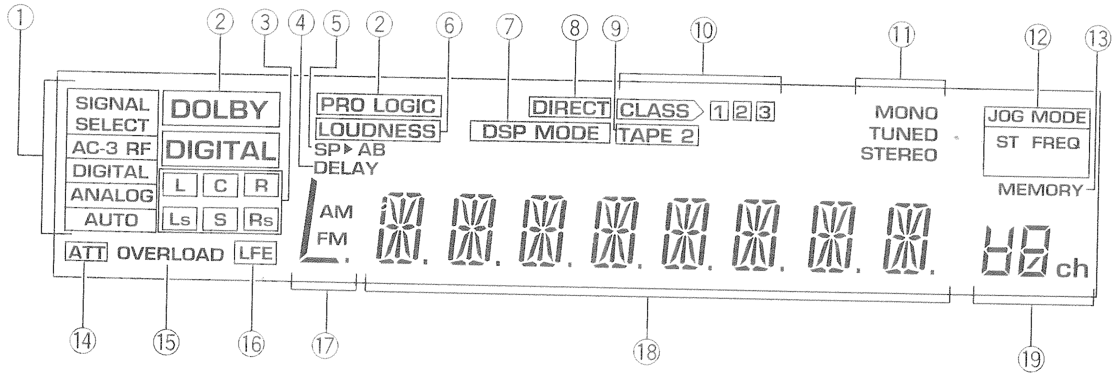
㉔ **SFC MODE button (VSX-D506S) (P.33)**

㉕ **DOLBY PRO LOGIC (VSX-D506S) button**
Switches DOLBY PRO LOGIC SURROUND on and off.

㉖ **5-D THEATER button (VSX-D506S) (P.35)**

Display

* The figure shows the VSX-D606S.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⑫
⑬
SIGNAL SELECT
DOLBY
AC-3 RF
DIGITAL
DIGITAL
ANALOG
L C R
AUTO
Ls S Rs
PRO LOGIC
LOUDNESS
SP▸AB
DELAY
DSP MODE
DIRECT
CLASS
1 2 3
TAPE 2
MONO
TUNED
STEREO
JOG MODE
ST FREQ
MEMORY
AM
FM
ATT
OVERLOAD
LFE
ch
⑭
⑮
⑯
⑰
⑱
⑲

① **SIGNAL SELECT indicators (VSX-D606S)**
The input signal format currently selected will light .

② **DOLBY DIGITAL (VSX-D606S) and PRO LOGIC indicators**
"DOLBY" lights when the Dolby Surround mode is ON. There are two Dolby Surround modes-Dolby Digital (AC-3) and Dolby Pro Logic. "DOLBY" and "DIGITAL" light during Dolby Digital, and "DOLBY" and "PRO LOGIC" light when played back in Dolby Pro Logic.

③ **PROGRAM FORMAT indicators (VSX-D606S)**
When playing back in the Dolby Digital (AC-3) mode, the indicator of the channel set for the playback source lights.

④ **DELAY indicator**
Lights when the delay time is being set.

⑤ **Speakers A, B indicator**
The indicator of the speaker system (A, B) selected will light.

⑥ **LOUDNESS indicator**
Lights when LOUDNESS is ON.

⑦ **DSP MODE indicator (VSX-D606S)**
Lights when DSP MODE is selected.

⑧ **DIRECT indicator**
Lights when DIRECT is ON.

⑨ **TAPE 2 indicator**
Lights when TAPE 2 MONITOR is ON.

⑩ **CLASS 1, 2, 3 indicators**
The indicator of the class number selected lights.

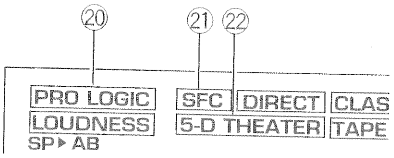
⑪ **TUNER indicator**

MONO:
Lights when the monaural mode is set using the MPX MODE button.

TUNED:
Lights when broadcasts are being received.

STEREO:
Lights when stereo broadcasts are received during auto stereo mode.

VSX-D506S


⑳
㉑
㉒
PRO LOGIC
LOUDNESS
SP▸AB
SFC
5-D THEATER
DIRECT
CLAS
TAPE

⑫ **JOG MODE indicator**

ST:
Lights when the station mode is selected.

FREQ:
Lights when the frequency mode is selected.

⑬ **MEMORY indicator**
Lights when station memory is selected.

⑭ **ATT indicator (VSX-D606S)**
Lights when INPUT ATT is ON.

⑮ **OVERLOAD indicator (VSX-D606S)**
Lights when input level is excessive when ANALOG is selected (including AUTO) using the SIGNAL SELECT button.

⑯ **LFE indicator (VSX-D606S)**
[LFE] lights when the LFE (Low Frequency Effects) channel is set for the playback source with Dolby Digital. The LFE indicator also lights when LFE signals are input.

⑰ **AM/FM indicators**
The indicator of the band currently selected (AM/FM) lights.

⑱ **CHARACTER display**

⑲ **STATION display**
Indicates the station number currently selected.

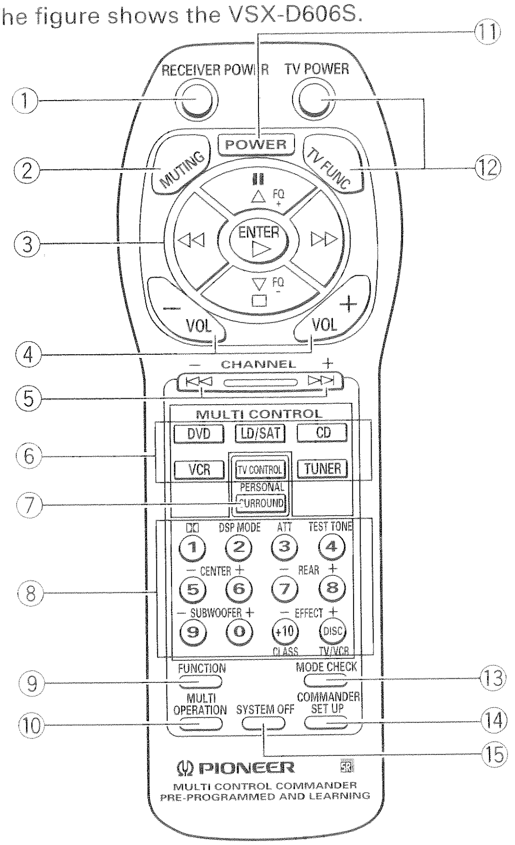
⑳ **PRO LOGIC indicator (VSX-D506S)**
Lights when Dolby Pro Logic is selected.

㉑ **SFC indicator (VSX-D506S)**
Lights when the SFC mode is selected.

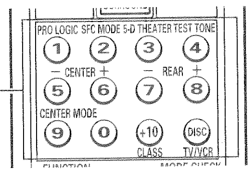
㉒ **5-D THEATER indicator (VSX-D506S)**
Lights in the 5-D THEATER mode.

Remote control unit

* The figure shows the VSX-D606S.


⑪
RECEIVER POWER
TV POWER
①
POWER
MUTING
TV FUNC
②
⑫
ENTER
FQ
③
VOL
VOL
④
CHANNEL
⑤
MULTI CONTROL
DVD
LD/SAT
CD
⑥
VCR
TV CONTROL
TUNER
PERSONAL
SURROUND
⑦
DSP MODE
ATT
TEST TONE
1
2
3
4
CENTER
REAR
5
6
7
8
⑧
SUBWOOFER
EFFECT
9
0
+10
DISC
CLASS
TV/VCR
FUNCTION
MODE CHECK
⑨
⑬
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
⑩
⑭
⑮
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING

VSX-D506S


⑧
PRO LOGIC
SFC MODE
5-D THEATER
TEST TONE
1
2
3
4
CENTER
REAR
5
6
7
8
CENTER MODE
9
0
+10
DISC
CLASS
TV/VCR

① **RECEIVER POWER button**

② **MUTING button**

Press to mute the volume.

③ **[When set to SURROUND (OPERATIONS)]**

△,▽,◁,▷ (Select/Adjust)buttons

[When set to other than SURROUND (OPERATIONS)]

⏸(Pause), □ (Stop), ◁◁(Rewind), ▷▷(Fast Forward), ▷ (Play) buttons

④ **VOL (–, +) buttons**

⑤ **[TV Operations]**

Selects the TV broadcast channel.

[CD, LD, DVD operations]

|◁◁, ▷▷| (Chapter/Track Search) buttons

⑥ **MULTI CONTROL function buttons**

Used to set and operate the MULTI CONTROL, and switch the function.

TV CONTROL: Press to operate TV.

⑦ **SURROUND/PERSONAL button**

[When setting MULTI operations]

Press when setting to the personal mode using multi operations.

[When setting to other than multi operation]

Press when performing surround operations and setting/changing setting modes.

⑧ **Number/surround setting buttons**

[When setting surround (operations)]

DD (VSX-D606S): Turns the Dolby Surround mode ON/OFF.

PRO LOGIC (VSX-D506S): Turns Dolby Pro Logic ON/OFF.

DSP MODE (VSX-D606S): Switches the surround effects.

SFC MODE (VSX-D506S): Switches the surround effects.

ATT (VSX-D606S): When turned ON when the sound is unstable due to excessive input levels, the input signal level drops so that the sound becomes easier to listen to.

5-D THEATER (VSX-D506S): When turned ON, the rear channel sound becomes stereo-like (deep and clear).

TEST TONE: When turned ON (while in surround mode), volume balance adjustment signals are output in order from the speakers and can be adjusted.

CENTER –, +: Adjusts the center level.

REAR –, +: Adjusts the rear level.

SUB WOOFER –, + (VSX-D606S): Adjusts the sub woofer level.

CENTER MODE (VSX-D506S): Switches the center mode.

EFFECT –, + (VSX-D606S): Adjusts DSP effects.

[Tuner Operations]

Number buttons: Use for setting the frequency value when the station call is selected or during direct access.

CLASS: Switches the CLASS number.

[VCR operations]

TV/VCR: Switches between TV/VCR.

[CD Operations]

DISC: Use to select the DISC number.

⑨ **FUNCTION button**

Switches the function.

⑩ **MULTI OPERATION button**

Use to set the multi operation.

⑪ **POWER button**

Turns ON/OFF the power of devices other than this unit.

⑫ **TV buttons (P.24)**

⑬ **MODE CHECK button (P.24)**

⑭ **COMMANDER SET UP button**

Use to control and learn operations of other manufacturer's equipment, and set multi operation functions.

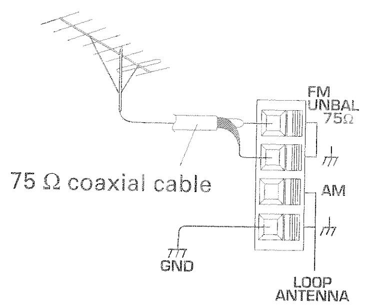
⑮ **SYSTEM OFF button (P.32)**

Use to turn OFF the power of all equipment connected to the main unit.

CONNECTING DEVICES

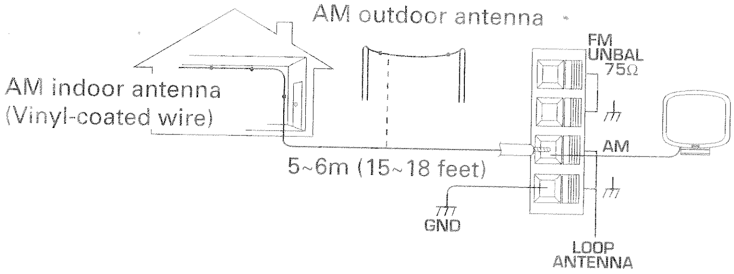
When connecting or changing equipment, be sure to turn OFF the POWER switch, and disconnect the power cord from the wall outlet.

■ For better reception of signals, use the FM external antenna.

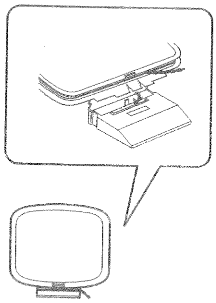

FM
UNBAL
75Ω
75 Ω coaxial cable
AM
GND
LOOP ANTENNA

■ When AM broadcast reception is poor

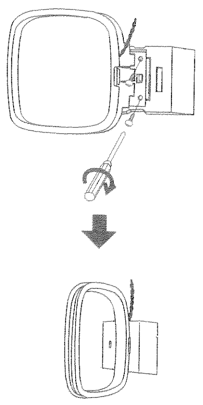
Connect a 5 to 6 meter (15~18 feet) long vinyl-coated wire to the AM antenna. If possible draw horizontally outdoors to achieve better reception.


AM outdoor antenna
AM indoor antenna
(Vinyl-coated wire)
FM
UNBAL
75Ω
AM
5~6m (15~18 feet)
GND
LOOP ANTENNA

■ Assembling the AM loop antenna

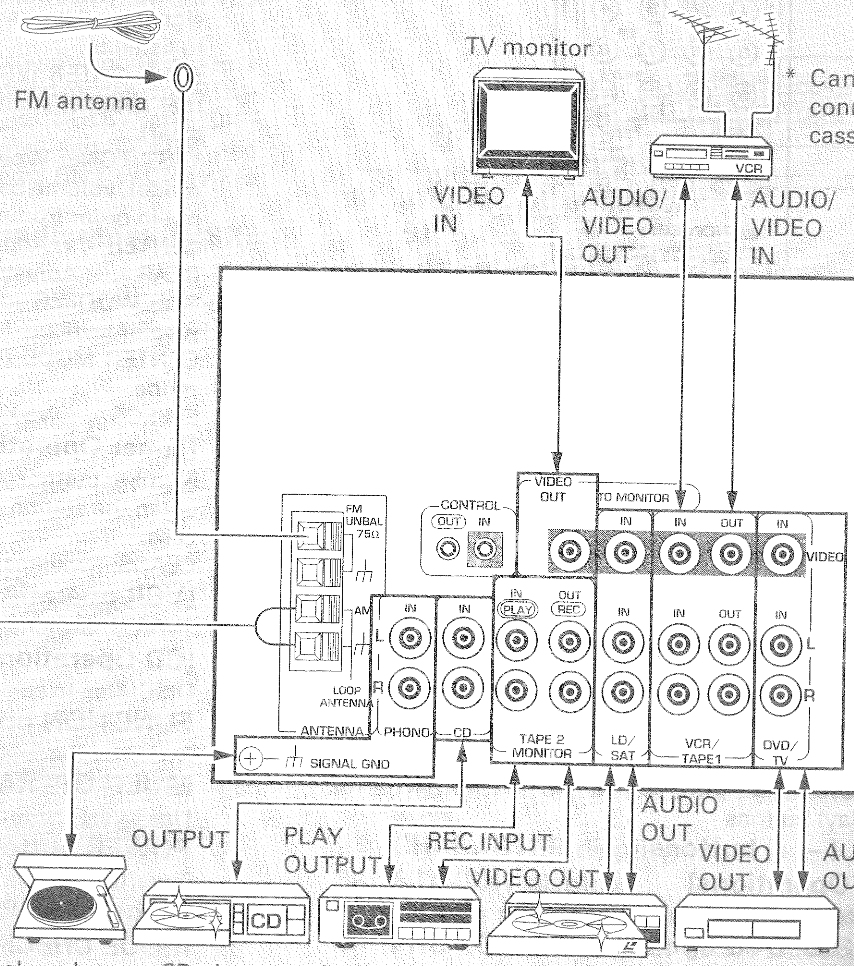


When attached on a wall, etc.



Face towards the direction with the best reception.

Stretch out fully and secure onto the wall using pins.

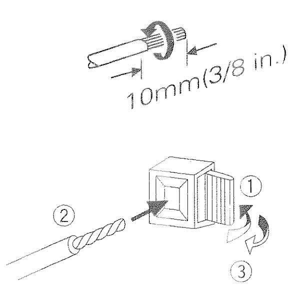

FM antenna
TV monitor
VCR
VIDEO IN
AUDIO/ VIDEO OUT
AUDIO/ VIDEO IN
VIDEO OUT
TO MONITOR
CONTROL
OUT
IN
FM
UNBAL
75Ω
AM
LOOP ANTENNA
ANTENNA
IN
L
R
PHONO
CD
IN PLAY
OUT REC
TAPE 2 MONITOR
LD/ SAT
IN
OUT
VCR/ TAPE1
DVD/ TV
VIDEO
SIGNAL GND
OUTPUT
PLAY OUTPUT
REC INPUT
VIDEO OUT
AUDIO OUT
VIDEO OUT
AUDIO OUT
CD
Analog player
CD player
Cassette deck
LD player
DVD player

* Can also be connected to a cassette deck.

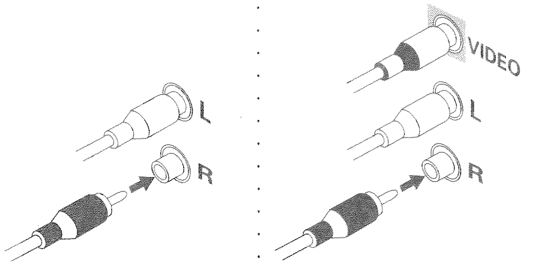
* Can also be connected to a satellite system.

* Refer to page 14 for how to connect the LD player and DVD player.

■ Antenna terminal

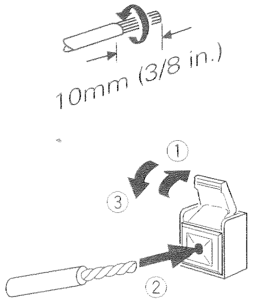

10mm(3/8 in.)
①
②
③

■ Input/output plug

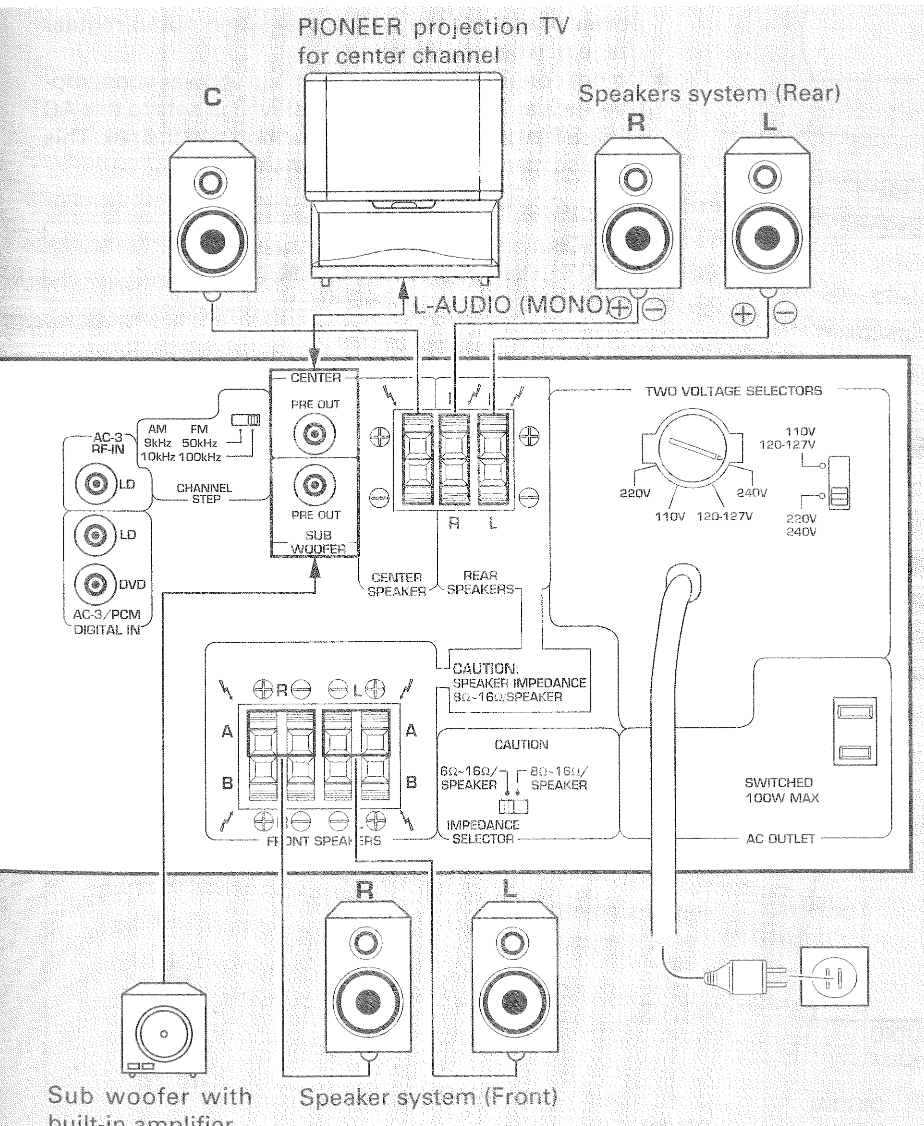


Connect the white plug to L, red plug to R, and yellow plug to VIDEO. Be sure to insert completely.

■ Speakers terminal

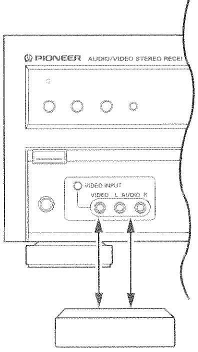

10mm (3/8 in.)
①
③
②

* The size of characters and terminal positions in the figures may differ from those on the actual product.
* The figures show the VSX-D606S multi voltage model.


PIONEER projection TV for center channel
C
Speakers system (Rear)
R
L
L-AUDIO (MONO)
CENTER
PRE OUT
AC-3 RF-IN
AM FM
9kHz 50kHz
10kHz 100kHz
CHANNEL STEP
LD
LD
DVD
AC-3/PCM DIGITAL IN
PRE OUT
SUB WOOFER
R L
CENTER SPEAKER
REAR SPEAKERS
TWO VOLTAGE SELECTORS
110V
120-127V
220V
240V
110V 120-127V
220V 240V
CAUTION: SPEAKER IMPEDANCE 8Ω~16Ω SPEAKER
R L
A
B
A
B
FRONT SPEAKERS
CAUTION
6Ω~16Ω/SPEAKER
8Ω~16Ω/SPEAKER
IMPEDANCE SELECTOR
SWITCHED 100W MAX
AC OUTLET
R
L
Sub woofer with built-in amplifier
Speaker system (Front)

* The sub woofer can be connected in a different way. For details, refer to the instructions on the sub woofer.

■ Front Panel


PIONEER AUDIO/VIDEO STEREO RECEIVER
VIDEO INPUT
VIDEO L AUDIO R

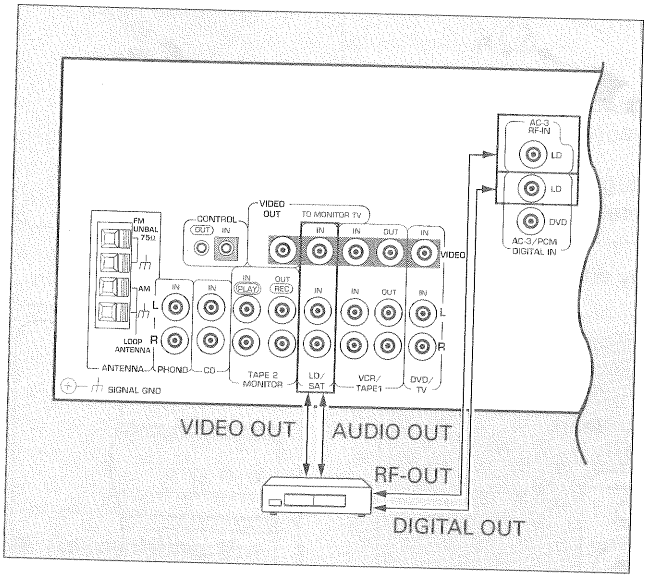
Video equipment such as video camera, etc.

memo

Use nominal impedances such as 6 Ω to 16 Ω or 8 Ω to 16 Ω for the speaker system. When using 6 Ω to 16 Ω, switch the IMPEDANCE SELECTOR to 6 Ω to 16 Ω.

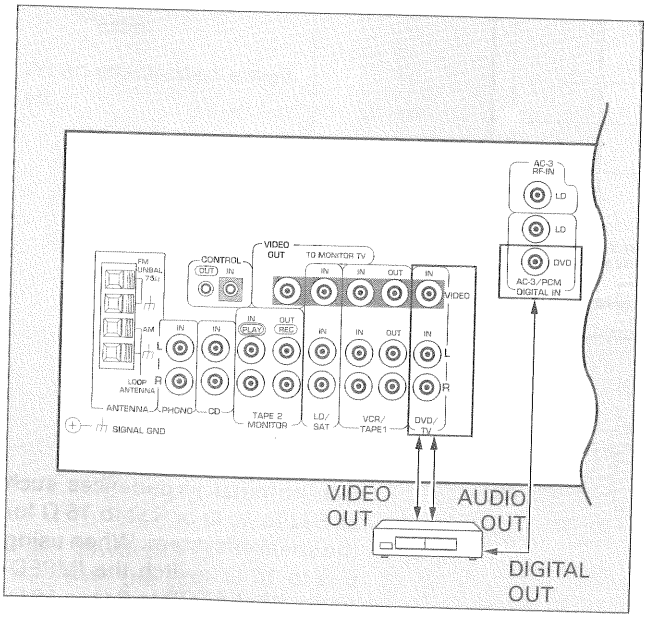
Connecting the DVD LD player, LD player (VSX-D606S)

Connect the DVD LD player or LD player with AC-3 RF OUT as shown below.


AC-3
RF-IN
LD
LD
DVD
AC-3/PCM
DIGITAL IN
FM
UNBAL
75Ω
AM
LOOP
ANTENNA
ANTENNA
CONTROL
OUT
IN
VIDEO
OUT
TO MONITOR TV
IN
IN
OUT
IN
VIDEO
IN
IN
IN
PLAY
OUT
REC
IN
IN
OUT
IN
L
R
PHONO
CD
TAPE 2
MONITOR
LD/
SAT
VCR/
TAPE1
DVD/
TV
SIGNAL GND
VIDEO OUT
AUDIO OUT
RF-OUT
DIGITAL OUT

Connecting DVD player (VSX-D606S)

Connect the DVD player as shown below.


AC-3
RF-IN
LD
LD
DVD
AC-3/PCM
DIGITAL IN
FM
UNBAL
75Ω
AM
LOOP
ANTENNA
ANTENNA
CONTROL
OUT
IN
VIDEO
OUT
TO MONITOR TV
IN
IN
OUT
IN
VIDEO
IN
IN
IN
PLAY
OUT
REC
IN
IN
OUT
IN
L
R
PHONO
CD
TAPE 2
MONITOR
LD/
SAT
VCR/
TAPE1
DVD/
TV
SIGNAL GND
VIDEO
OUT
AUDIO
OUT
DIGITAL
OUT

AC OUTLET

(U.S. and Canadian models)

[SWITCHED 100 W (0.8 A) MAX]

Power supplied through this outlet is turned on and off by the receiver's POWER switch. Total electrical power consumption of connected equipment should not exceed 100 W (0.8 A).

(Multi-voltage model)

[SWITCHED 100 W MAX]

Power supplied through this outlet is turned on and off by the receiver's POWER switch. Total electrical power consumption of connected equipment should not exceed 100 W.

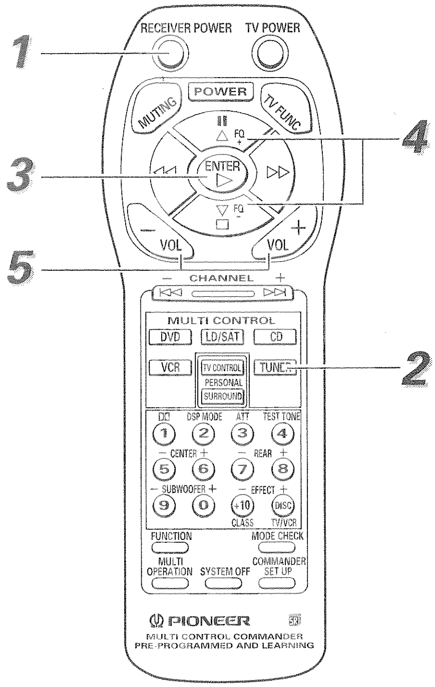
memo

- This unit should be disconnected by removing the power plug from the wall socket when not in regular use, e.g. when on vacation.
- Do not connect appliances with high power consumption such as heaters, irons, or television sets to this AC OUTLET in order to avoid overheating and fire risk. This can also cause the receiver to malfunction.

CAUTION:
DO NOT CONNECT MONITOR OR TV SET.

3. BASIC OPERATIONS

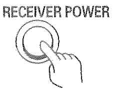
LISTENING TO FM/AM BROADCASTS


1
3
5
4
2
RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
FQ
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING

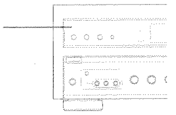
* The figure shows the VSX-D606S.

memo Turn OFF TAPE 2 MONITOR (the Indicator goes off).

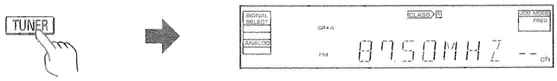
1. **Turn ON the power of the receiver.**


RECEIVER POWER

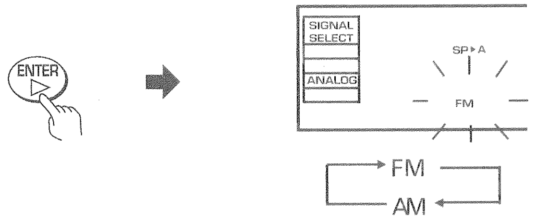
STANDBY indicator goes off.



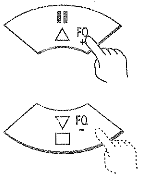
2. **Set the TUNER function.**


TUNER
87.50MHZ

3. **Select the band (FM or AM).**

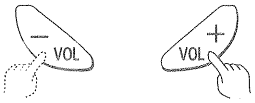

ENTER
SIGNAL SELECT
ANALOG
SP▸A
FM
FM
AM

4. **Select the broadcast station.**



Refer to "selecting broadcast stations" below.

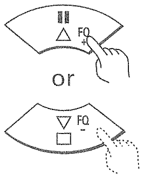
5. **Adjust the volume.**



Selecting broadcast stations

(For example, when selecting an FM broadcast in 0.1 MHz steps)

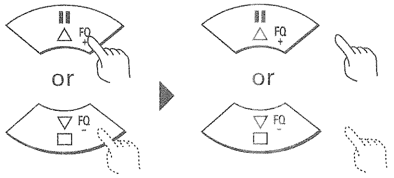
①Selecting step by step.



Press lightly and release.

87.50
87.60
87.70
⋮

②Selecting automatically.


FQ
or
FQ
FQ
or
FQ

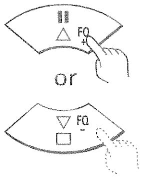
(Press and hold for approx. 1 second, then release)

87.50

89.50

Stops when received.

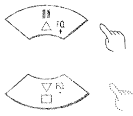
③Selecting at high speed

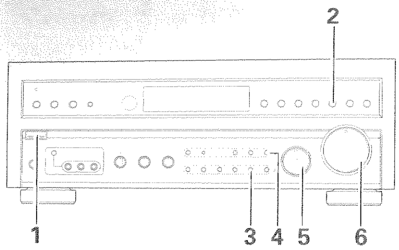


Press continuously

87.50
87.60
⋮
89.50

Stops when released.





* The figure shows the VSX-D606S.

■ Selecting a broadcast station using this unit

1. **Press the POWER button.**
2. **Set the TUNER function.**
3. **Press the FM/AM button and select FM or AM broadcast.**
4. **Press the SELECT button, to set the frequency mode.**
   FREQ indicator lights.
5. **Rotate the MULTI-JOG and adjust to the desired broadcast station.**
   The TUNED indicator lights up when a broadcast program is received.
6. **Adjust the volume.**

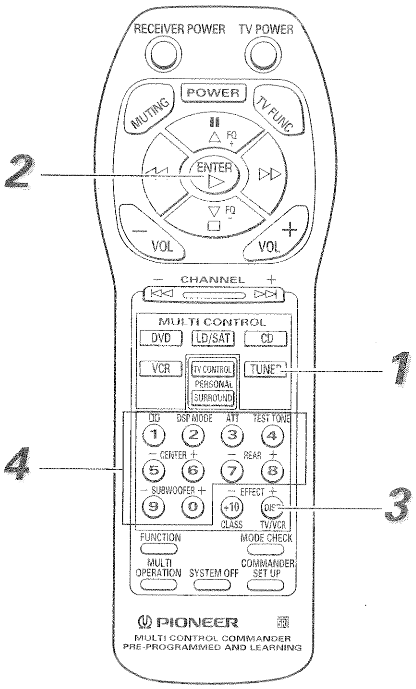
memo

- The TUNED indicator will not light when a broadcast station is too far away or when the broadcasting signal is weak.
- The MULTI JOG cannot be used in "■Selecting the broadcast station ② Selecting automatically" on page 15.

Directly inputting the frequency [Direct Access (remote control unit only)]

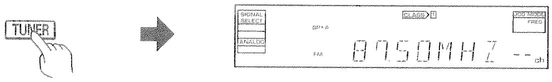
A broadcast station (frequency) can be directly selected using the number buttons on the remote control unit.

memo Turn OFF the TAPE 2 MONITOR (the indicator goes off).


2
4
1
3
RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TUNER
FUNCTION
MODE CHECK
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING

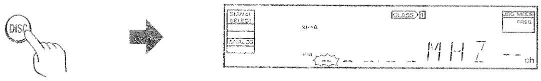
* The figure shows the VSX-D606S.

1. Set the TUNER function.


TUNER
8750MHZ --ch

2. Select the band (FM or AM).

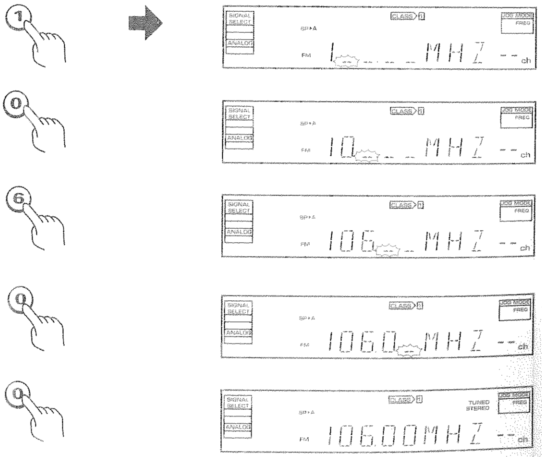
3. Set the direct access mode.



4. Select the broadcast station.

Press the numbers of the frequency to be received in order.

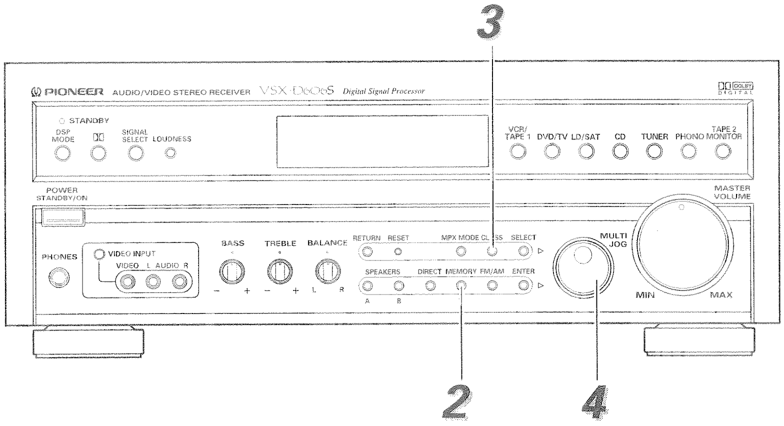
For example, to receive FM 106.00 MHz.


1
1 MHZ --ch
0
10 MHZ --ch
6
106 MHZ --ch
0
1060 MHZ --ch
0
10600MHZ --ch

■ Canceling the frequency input

The frequency input can be canceled by pressing the DISC button again. Input the frequency again correctly.

Memorizing frequently used stations (main unit only)

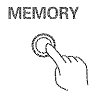

3
PIONEER AUDIO/VIDEO STEREO RECEIVER VSX-D606S Digital Signal Processor
STANDBY
DSP MODE
SIGNAL SELECT
LOUDNESS
VCR/TAPE 1
DVD/TV
LD/SAT
CD
TUNER
PHONO
TAPE 2 MONITOR
POWER STANDBY/ON
MASTER VOLUME
PHONES
VIDEO INPUT
VIDEO L AUDIO R
BASS
TREBLE
BALANCE
RETURN
RESET
MPX MODE
CLASS
SELECT
SPEAKERS
DIRECT
MEMORY
FM/AM
ENTER
MULTI JOG
MIN
MAX
2
4

* The figure shows the VSX-D606S.

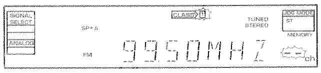
memo
- The frequency received and MPX MODE (FM only) can be memorized.
- Up to 10 stations can be memorized in each of three classes.

1. Receive the desired station. ➡ Refer to "Listening to FM/AM Stations" (Pages 15 and 16)

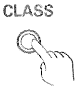
2. Set the MEMORY mode.



➡

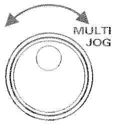

SIGNAL SELECT
ANALOG
CLASS
TUNED STEREO
MEMORY
FM
99.50MHz

3. Select the desired class number.

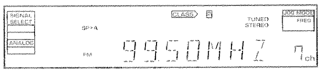


➡ → CLASS 1 → CLASS 2 → CLASS 3 →

4. Select the desired station number.



➡

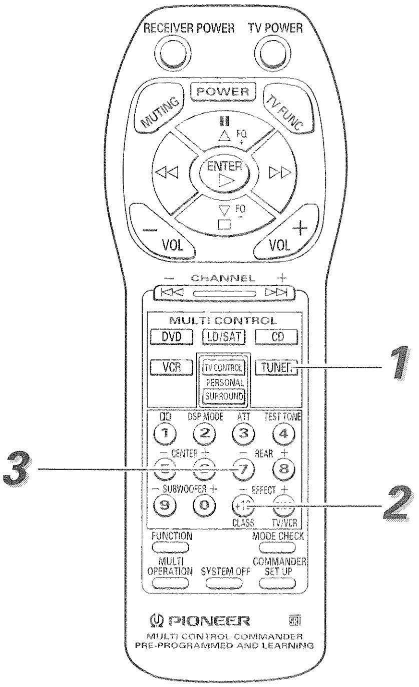

SIGNAL SELECT
ANALOG
CLASS
TUNED STEREO
FM
99.50MHz
7ch

Rotate the MULTI JOG to select the station number and press the ENTER button to memorize the selection. (Even if ENTER is not pressed, the selection will be automatically memorized in 5 seconds.)

→ CLASS 1(1 ⟷ 10ch) → CLASS 2(1 ⟷ 10ch) → CLASS 3(1 ⟷ 10ch) →

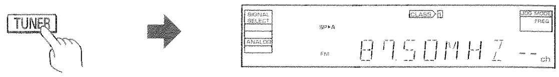
Repeat steps 1 to 4 to memorize up to 30 stations.

Listening to Memorized Stations

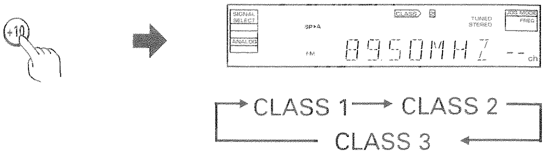

1
2
3
RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING

* The figure shows the VSX-D606S.

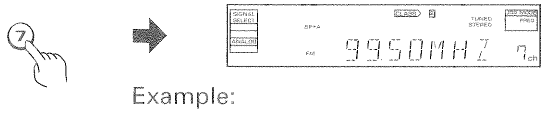
1. Set the TUNER function.


TUNER
CLASS 1
FM
87.50MHz
--ch

2. Select the CLASS number in which the desired station is memorized.


+10
CLASS 2
TUNED STEREO
FM
89.50MHz
--ch
CLASS 1
CLASS 2
CLASS 3

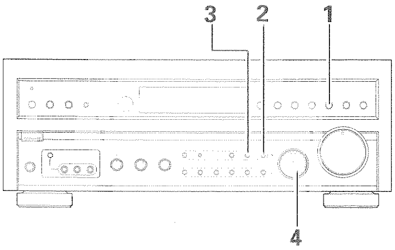
3. Select the station number of the desired station.


7
CLASS 2
TUNED STEREO
FM
99.50MHz
7ch

Example:
When FM99.50 MHz has been memorized in channel 7 of CLASS 2.

memo

Use the CHANNEL +/– buttons to select other memorized station numbers.



* The figure shows the VSX-D606S.

■ Operating with the main unit

1. **Press the TUNER button.**
2. **Press the SELECT button to set the station mode.**
   The ST indicator lights.
3. **Press the CLASS button, and select the CLASS number in which the desired station has been memorized.**
4. **Rotate the MULTI-JOG, and select the desired station number which has been memorized.**

memo

When the power cord of the unit is disconnected from the wall outlet for several days, the stations memorized will be erased.

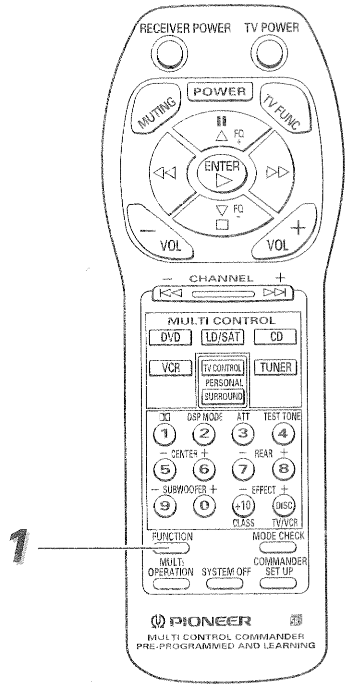
■ Last Station Memory

By turning ON the power and setting TUNER, the station set before the power was turned OFF will be received.

RECORDING

Set the format of the input signal to "ANALOG" referring to "Switching the Input Signal" on page 38.

Recording with TAPE 1 or TAPE 2


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
FQ
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER PRE-PROGRAMMED AND LEARNING
1

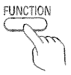
* The figure shows the VSX-D606S.

memo

Turn ON the power of all equipment to be used.

1. **Select the source to be recorded.**

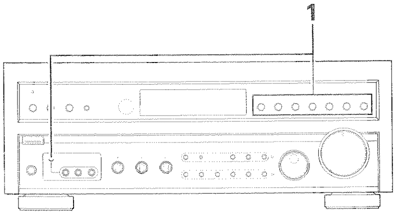
* Except for PHONO and VIDEO, the sources can directly be selected using MULTI CONTROL.



→ TUNER → PHONO → VIDEO
CD ← LD/SAT ← DVD/TV ← VCR/TAPE 1 ←

2. **Start recording with TAPE 1 or TAPE 2.**

3. **Play back the source to be recorded.**



* The figure shows the VSX-D606S.

■ Operating with the main unit

1. **Select the source to be recorded using the Function buttons.**
2. **Start recording with TAPE 1 or TAPE 2.**
3. **Play back the source to be recorded.**

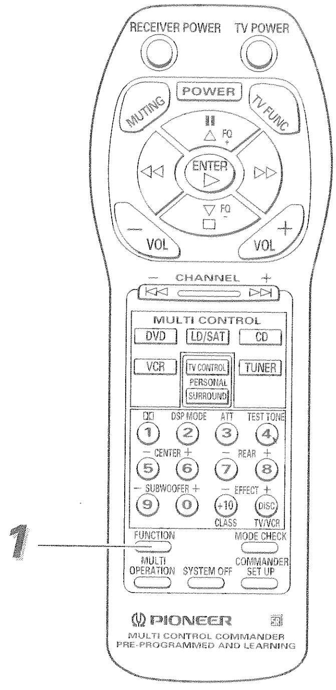
memo

- ● The VCR/TAPE 1 sounds cannot be recorded with TAPE 1.
- ● The volume, tone, balance, and surround setting of this unit have no effect on the recording signal.

■ Recording Monitor

When recording with TAPE 2, if the recording device connected has a recording monitor function, turning ON the TAPE 2 MONITOR button will enable recording to be carried out simultaneously with playback monitoring (the TAPE 2 indicator lights).

Recording with a VCR


1
RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING

* The figure shows the VSX-D606S.

1. Select the source to be recorded.

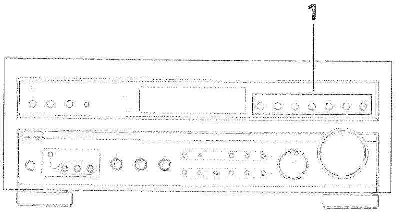
FUNCTION ➡ (TUNER) → (PHONO) → VIDEO → (VCR/TAPE 1) → DVD/TV → LD/SAT → (CD)

2. Start recording with a VCR.

3. Play back the source to be recorded.

memo

The signal from VCR/TAPE 1 cannot be recorded.



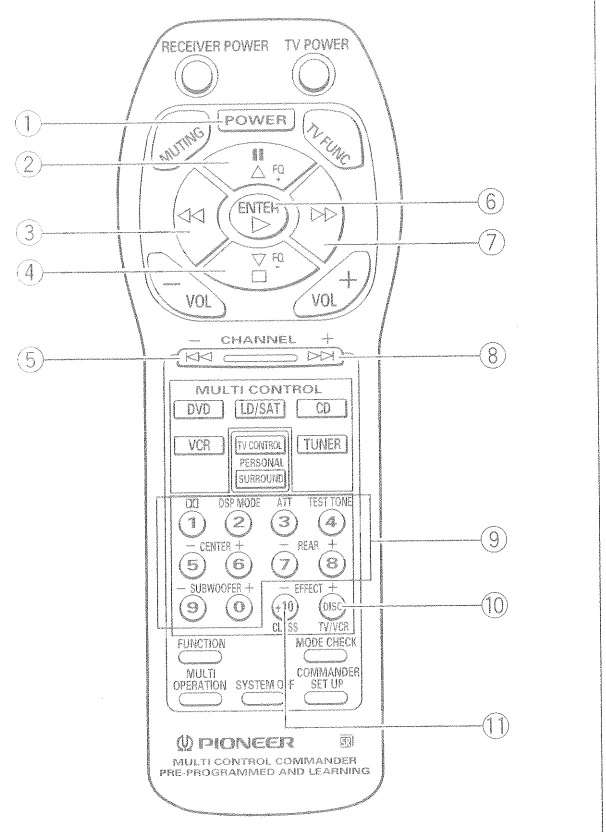
* The figure shows the VSX-D606S.

■ Operating with the main unit

1. Select the source to be recorded using the Function buttons.
2. Start recording with a VCR.
3. Play back the source to be recorded.

memo

The volume, tone, balance, and surround setting of this unit have no effect on the recording signal.


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
FQ
ENTER
VOL
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
+10
CLASS
DISC
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪

* The figure shows the VSX-D606S.

OPERATING OTHER COMPONENTS

LD PLAYER/DVD PLAYER operation

Set the input source to LD/SAT or DVD, and operate as desired using the following buttons.

① **POWER**

Use to turn ON/OFF the LD player or DVD player.

② ❚❚

Use to pause. (In some players, pressing this button may set still pictures.)

③ ◀◀

Continuously pressing this button will set fast rewind playback.

④ ■

Pressing this button during playback will stop the unit. (With some LD players, the disc table may come out if pressed during stop.)

⑤ |◀◀

Pressing and releasing this button immediately returns playback to the beginning of the chapter (track) currently being played. Pressing it continuously returns playback to the beginning of a previous chapter (track).

⑥ ▶

Starts playback.

⑦ ▶▶

Pressing this button continuously will start fast forward playback.

⑧ ▶▶|

Pressing and releasing this button immediately advances playback to the beginning of the next chapter (track). Pressing it continuously advances playback to the beginning of a future chapter (track).

⑨ **Number buttons**

Use to select the chapter (track).

⑩ **DISC (SIDE A/B for LD) (MENU for DVD)**

LD: Switches between sides A and B of the disc.
DVD: Turns ON/OFF the menu screen.

⑪ **+10 button**

Use to select chapter (track) numbers higher than 10.
Example: Chapter (track) 34

+10 CLASS → +10 CLASS → +10 CLASS → ④

SAT (Satellite Tuner) operation

Set the input source to LD/SAT, and operate as desired using the following buttons.

① **POWER**

Use to turn ON/OFF the power of the satellite broadcast tuner.

②▲,③◀,④▼,⑦▶

Serves as cursor button for obtaining information on programs.

⑥ **ENTER**

Use to set the position of the cursor selected using the ②, ③,④, and ⑦ buttons.

⑤|◀◀, ⑥▶▶| **(GUIDE)**

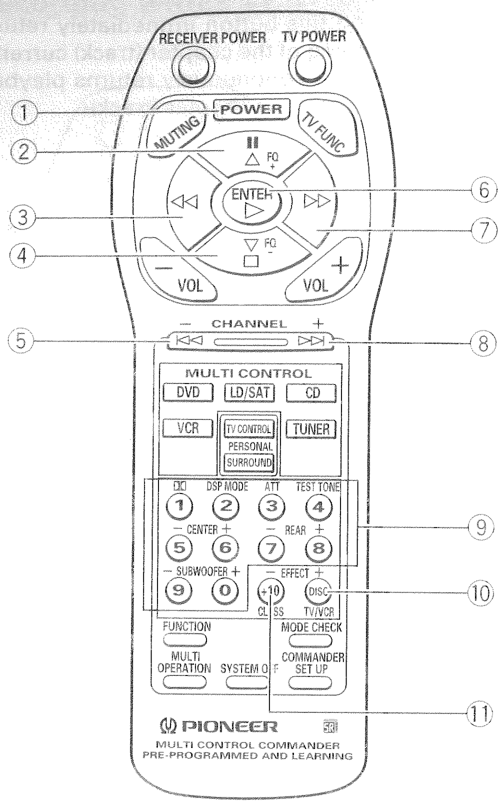
Use to turn ON/OFF the program information screen.

⑨ **Number buttons**

Use to select satellite broadcast channels.

⑩ **DISC (MENU)**

Use to turn ON/OFF the main menu.


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
FQ
ENTER
VOL
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER
PERSONAL SURROUND
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
+10
DISC
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪

* The figure shows the VSX-D606S.

CD PLAYER operation

Set the input source to CD, and operate as desired using the following buttons.

① **POWER**

Use to turn ON/OFF the CD player.

② ❚❚

Use to pause playback.

③ ◀◀

Continuously pressing this button will start fast rewind playback.

④ ■

Stops playback.

⑤ |◀◀

Pressing and releasing this button immediately returns playback to the beginning of the track currently being played. Pressing it continuously returns playback to the beginning of a previous track.

⑥ ▶

Starts playback.

⑦ ▶▶

Pressing this button continuously will start fast forward playback.

⑧ ▶▶|

Pressing and releasing this button immediately advances playback to the beginning of the next track. Pressing it continuously will advances playback to the beginning of a future track.

⑨ **Number buttons**

Use to select songs directly.

⑩ **DISC**

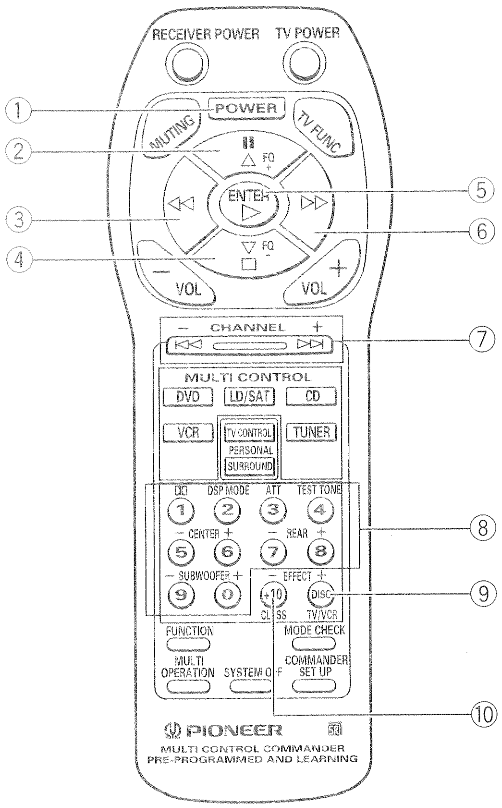
Use to select the disc number.
(Some CD players cannot be operated.)
Example:
When selecting disc number 27

② → ⑦ → (DISC)

⑪ **(+10) (track) button**

Use to select the track number.
(Some CD players cannot be operated.)
Example:
When selecting track number 15

(+10) → ⑤


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
II
FQ
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
+10
DISC
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
①
②
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⑤
⑥
⑦
⑧
⑨
⑩

* The figure shows the VSX-D606S.

CASSETTE DECK/VCR operation

Set the input source to VCR, and operate as desired using the following buttons.

memo

Both the cassette deck and VCR can not be used at the same time.

[Operations common to the cassette deck/ VCR]

① POWER

Use to turn ON/OFF the power of the cassette deck and VCR.

(Cannot turn ON/OFF some cassette decks.)

② II

Pauses playback and recording (sets still pictures).

③ ◀◀

Rewinds the tape. Pressing this button during playback will start fast rewind playback.

④ ■

Stops tape running.

⑤ ▶

Starts playback.

⑥ ▶▶

Fast forwards the tape. Pressing this button during playback will start fast forward playback.

[VCR only]

⑦ CHANNEL + , –

Changes the channels of the TV tuner in the VCR.

⑧ Number buttons

Used for selecting the channels of the TV tuner in the VCR.

⑨ TV/VCR

Used to switch the VCR antenna output to TV or VCR.

⑩ ENTER

Sets the channels selected using the Number buttons. (Some models may not require this step.)

[Cassette deck only]

For double cassette decks, the ⑧ Number buttons can be used to operate deck 1 also.

(Some models cannot be operated.)

⑧ ①(◀◀)

Fast forwards the tape in the direction of the arrow.

②(■)

Stops tape running.

③(▶)

Plays back.

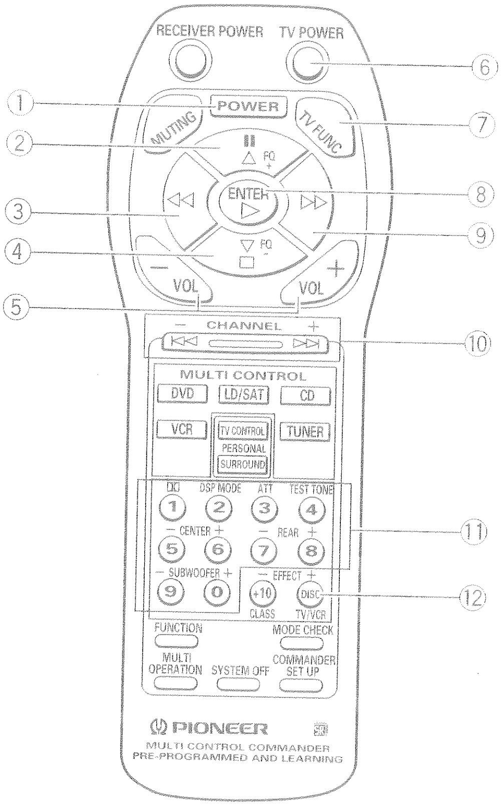
④(▶▶)

Fast forwards the tape in the direction of the arrow.

memo

Pressing ② II and ④ ■ simultaneously will also set REC for the VCR and cassette deck.

REC cannot be set for deck 1 of double cassette decks.


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
FQ
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
+10
DISC
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫

* The figure shows the VSX-D606S.

TV operation

Set the input source to TV CONTROL, and operate as desired using the following buttons.

① POWER

Use to turn ON/OFF the TV power.

② ▲

Raises the TV volume.

④ ▼

Lowers the TV volume.

⑤ VOL +, –

Use to adjust the TV volume. (When operating other devices, this is used for adjusting the volume of this unit.)

⑧ ENTER

Sets the channels selected using the Number buttons. (Some models may not require this operation.)

⑩ CHANNEL +, –

Use to select a TV broadcast channel.

⑪ Number buttons

Use to select TV broadcast channels.
Example: When selecting channel 25

② → ⑤

With to some models, press ⑧ ENTER after selecting the channel to set the selection.

[Operation for TVs with menu screen (PIONEER products only)]

②▲,③◀,④▼,⑨▶

Use to move the cursor in the menu screen up, down, left, and right.

⑧ ENTER

Sets the position of the cursor selected using the ②, ③, ④, and ⑨ buttons.

⑫ DISC (MENU)

Displays the menu screen for adjusting picture quality.

The following buttons can be used regardless of the input source setting.

⑥ TV POWER

Use to turn ON/OFF the TV power.

⑦ TV FUNC

Use to select the TV input. (Cannot be selected in some TVs.)

MODE CHECK BUTTON

When the MODE CHECK button is pressed once, the MULTI CONTROL button currently selected will light. When the MODE CHECK button is pressed again while lit, the MULTI CONTROL buttons will light in order, enabling the selected device to be remote controlled without changing the function of this unit.

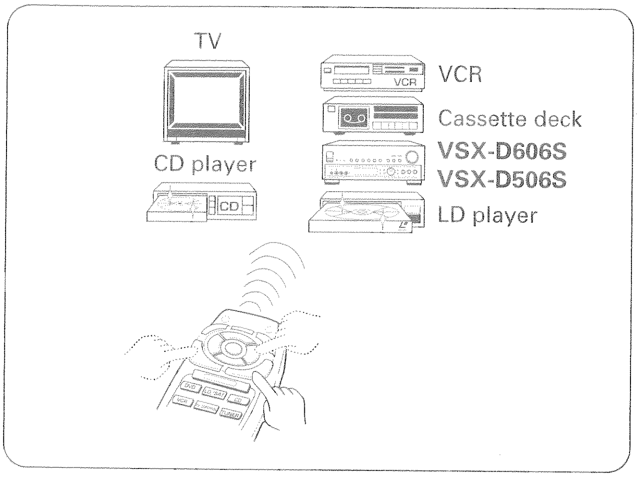
4. VARIOUS OPERATIONS

USEFUL FUNCTIONS OF THE REMOTE CONTROL UNIT

With the provided remote control unit, the following operations can easily be performed.

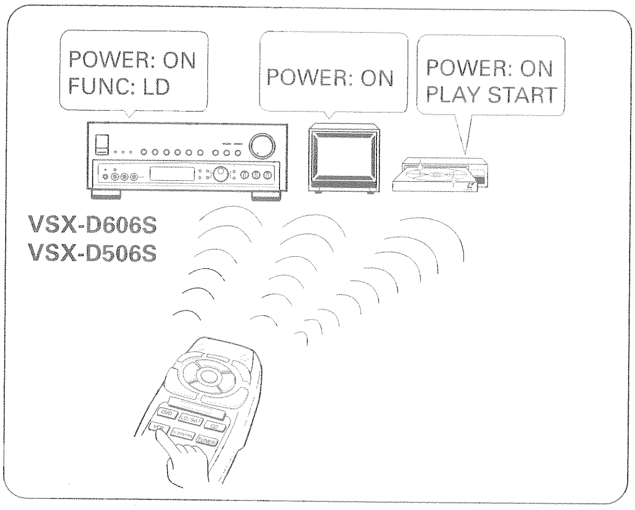
■ Control of other devices

Your PIONEER products and other manufacturer's equipment (VCR, TV, LD player, CD player, etc.) can be remote controlled. (This requires the learning and setting of the remote control codes of other manufacturer's products.)


TV
VCR
Cassette deck
VSX-D606S
VSX-D506S
CD player
LD player

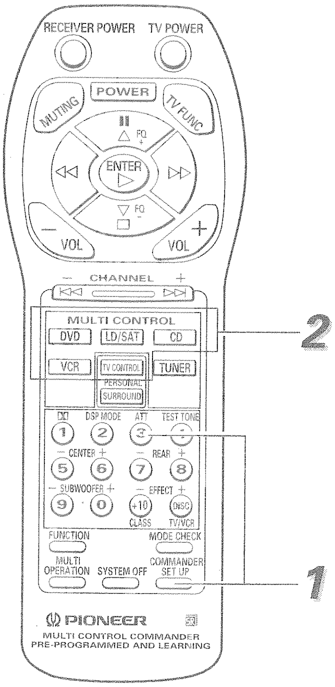
■ Multi Operation

Performing multi operation settings using this units remote control enables several devices to be operated easily.

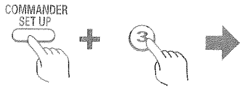

POWER: ON
FUNC: LD
POWER: ON
POWER: ON
PLAY START
VSX-D606S
VSX-D506S

Operating other equipment using this unit's remote control (controlling other equipment)

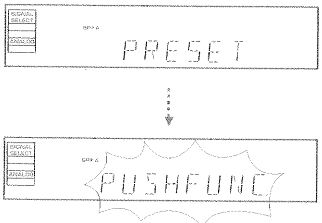
The remote control unit can be used to operate your PIONEER products and other manufacturer's audio/video equipment (VCR, TV, LD player, CD player, etc.).
Perform the following procedure to enable operation of other manufacturers' equipment.


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER
PERSONAL SURROUND
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
2
1

1. **Set the preset mode.**

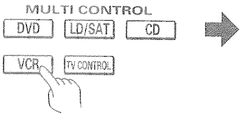

COMMANDER SET UP
3

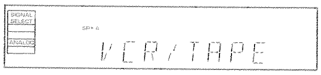
While pressing the COMMANDER SET UP button, press ③.


SIGNAL SELECT
ANALOG
PRESET
PUSHFUNC

* Multi control section of the remote control unit will blink.

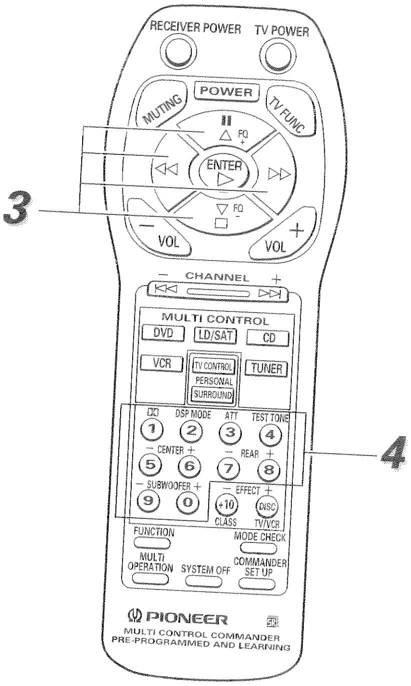
2. **Select the function to be set.**


MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL


SIGNAL SELECT
ANALOG
VCR/TAPE

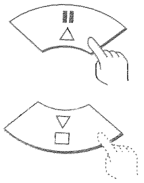
* The function button selected lights.

* The figure shows the VSX-D606S.


RECEIVER POWER
TV POWER
MUTING
POWER
TV FUNC
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER
PERSONAL SURROUND
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER PRE-PROGRAMMED AND LEARNING
3
4

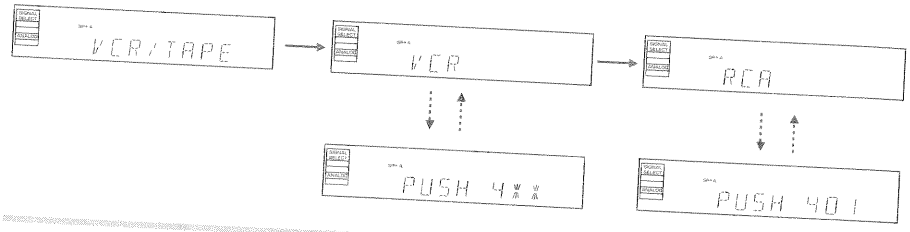
* The figure shows the VSX-D606S.

3. While observing the display, find the manufacturer name and code.



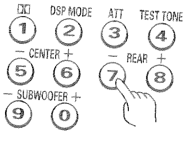
When the ▼ button is pressed, the manufacturer names are displayed in the reverse order.

Each time the button is pressed, a different preset manufacturer name will be displayed. Display the name of the manufacturer whose equipment you are using and its code will be displayed automatically.


VCR/TAPE
VCR
RCA
PUSH 4**
PUSH 401

4. Point the remote control unit towards the device to be operated, and input the three-digit code number confirmed in step 3.

* Refer to the LIST OF MANUFACTURER CODES on page 50.

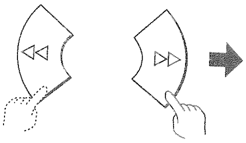

DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER

When a three digit code number is input, the power ON/OFF signal will be output from the remote control unit. If the power of the device turns ON or OFF according to this signal, it indicates that the device has been set properly. If the power does not turn ON/OFF, input another code or use the learn function.

■ When there are several manufacturer codes for one manufacturer

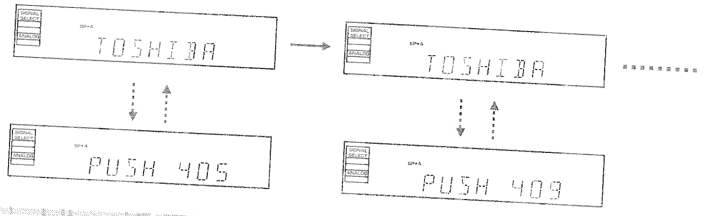
Some manufacturers use several remote control signals. In such cases, the device may not operate even if the manufacturer code displayed at the beginning is input. Perform the following steps, and look for another manufacturer code.

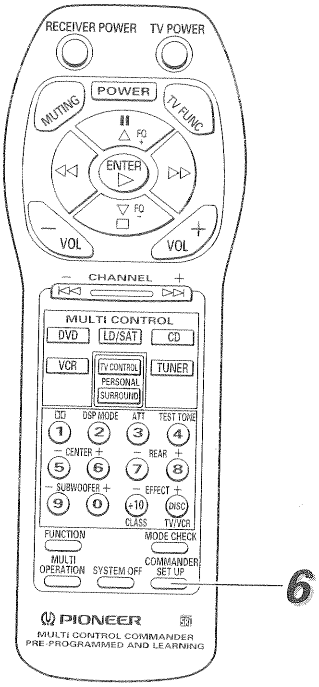
Look for another code of the manufacturer.



Each time these buttons are pressed, other preset codes of the manufacturer will be displayed.

Example: For TOSHIBA

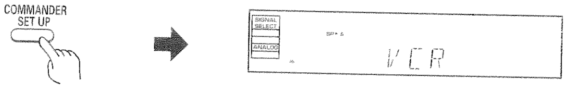

TOSHIBA
TOSHIBA
PUSH 405
PUSH 409


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
6
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING

* The figure shows the VSX-D606S.

5. **Repeat steps 2 and 4 and set other functions.**

6. **Exit the preset mode.**


COMMANDER SET UP
VCR

Returns to normal operations.

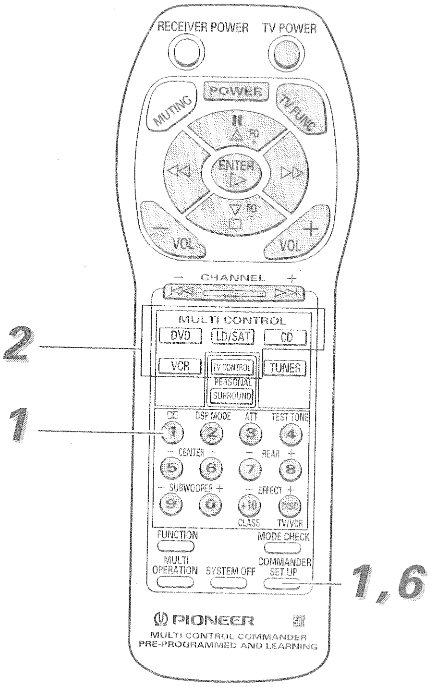
* Multi control section of the remote control unit will go off.

memo

When operating a DVD LD player with the LD/SAT function, set the manufacturer code to "102" in the preset mode.

Memorizing other manufacturer's signals this unit's (Learning mode)

If your equipment does not operate in the preset mode, learn its remote control signals so that it can be operated. If set properly in the preset mode, remote control signals of additional functions can be set by learning (those not shown in pages 21 to 24).

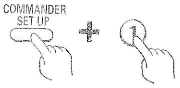

RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER
PERSONAL SURROUND
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER PRE-PROGRAMMED AND LEARNING
2
1
1,6

* The figure shows the VSX-D606S.

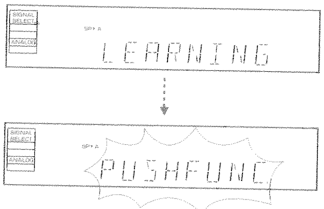
memo

- The TV POWER, TV FUNC, VOL – and + buttons can only be used for learning when TV CONTROL is selected.
- When TV CONTROL has been selected, memorize the same remote control signal into both TV POWER and POWER.

1. **Set the learning mode.**

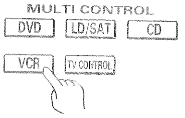

COMMANDER SET UP
+
1

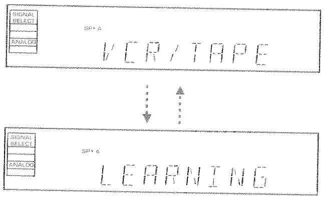
While pressing the COMMANDER SET UP button, press ①.


LEARNING
PUSHFUNC

* Multi control section of the remote control unit will blink.

2. **Select the function to be learnt.**

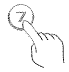

MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL


VCR/TAPE
LEARNING

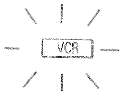
* Only the multi control button selected blinks.

3. **Select the button of the function to be learnt using the remote control unit.**

* Select from the gray buttons in the left figure of the remote control unit.

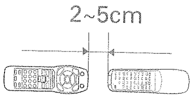


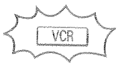
The remote control unit is ready to memorize the operation in the selected button.



* The multi control button of the remote control unit stops blinking and lights.

4. **Face the remote control units at each other. Press the button of the operation of the other manufacturer's device to be learnt. (Press until the multi control button blinks.)**





* When learnt, the multi control button of the remote control unit starts blinking.

5. **Repeat steps 2 to 4, and learn other required functions.**

6. **Exit the learning mode.**

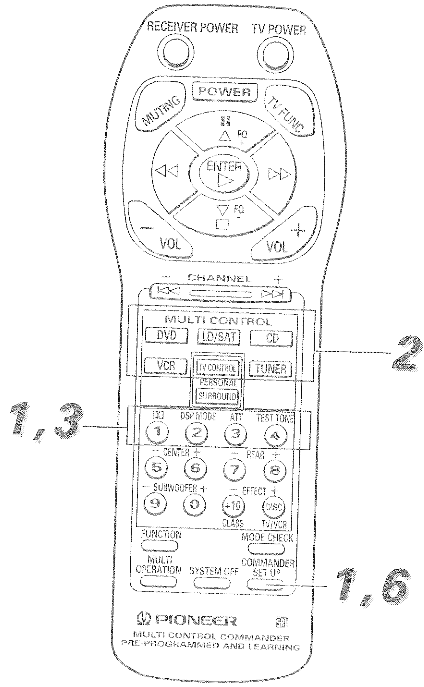
COMMANDER SET UP

Return to normal operations.

* All multi control buttons will go off.

Tuning ON/OFF the power of several devices (Multi Operation)

The power of devices connected to this unit can be turned ON/OFF with its remote control unit, and operated with the MULTI-OPERATION button of this remote control unit.

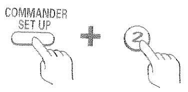

RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER
PERSONAL SURROUND
CD
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
2
1,3
1,6

* The figure shows the VSX-D606S.

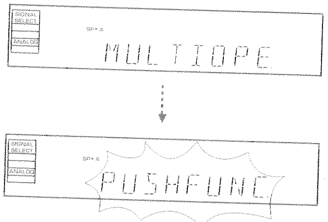
memo

- For the DVD player, CD player, VCR, and cassette deck the PLAY signals are output from the remote control unit.
- When the TV preset code is set to the DVD/TV function and "SELECTED DEVICE POWER" described above is TV, a remote control signal is not output in ③. To turn ON/OFF the TV POWER, set to ② or ④.

1. Set the multi operation mode.

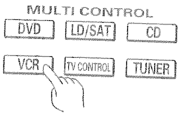

COMMANDER SET UP
+
②

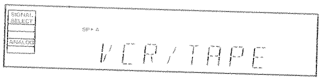
While pressing the COMMANDER SET UP button, press ②.


MULTIOPE
PUSHFUNC

* Multi control section of the remote control unit blinks.

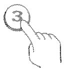
2. Select the desired function.


MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER



* Only the multi control button selected lights.

3. Select the operation to be set from the following table, and press the corresponding number button.

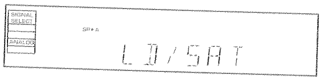


* Multi control section of the remote control unit blinks.

4. To continue settings, repeat steps 2 and 3, and set each multi operation function.

5. Exit multi operation mode.

COMMANDER SET UP



Return to normal operations.
* Multi control section will go off.

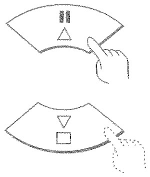
■ Multi Operation Table

Number Button	RECEIVER POWER	TV POWER	SELECTED DEVICE POWER	►
①	YES	→ NO	→ NO	→ YES
②	YES	→ NO	→ YES	→ YES
③	YES	→ YES	→ NO	→ YES
④	YES	→ YES	→ YES	→ YES

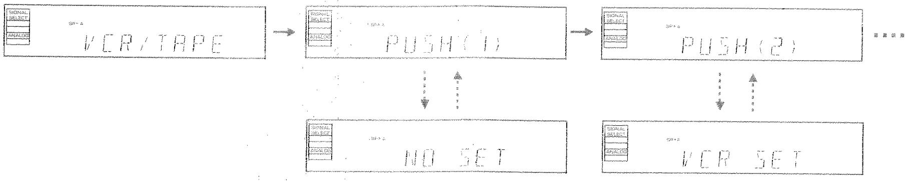
YES: Activated NO: Not activated

memo

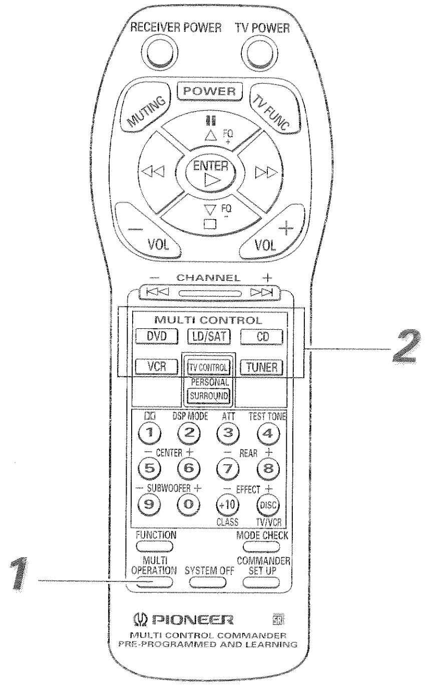
The multi operation can be set while watching the display. (Refer to step 3 on page 29.)



Each time the buttons are pressed, a multi operation is displayed.

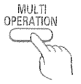

VCR/TAPE
PUSH(1)
PUSH(2)
NO SET
VCR SET

Performing Multi Operation


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
FQ
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER
PERSONAL SURROUND
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER PRE-PROGRAMMED AND LEARNING
1
2

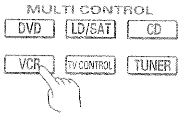
* The figure shows the VSX-D606S.

1. Enter the multi operation mode.


MULTI OPERATION

All multi control buttons of the remote control unit blinks.

2. Select the desired function.


MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER

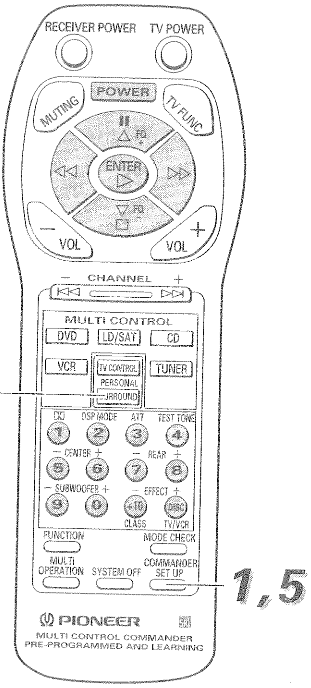
The power of this unit is turned ON, the function switches, and the power of the selected device turns ON/OFF according to the settings on page 29. (Some devices may start playback after this, such as a DVD player, CD player, LD player, VCR or cassette deck.)

memo

The power of this unit does not turn on when TV CONTROL is selected.

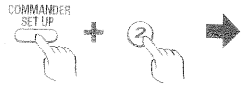
Multi Operation/Personal Mode

Up to 10 signals sent from the remote control unit can be selected and set freely. By combining with the learnt signals, various control is possible.
The remote control signals of the shaded buttons in the following diagram can be set.

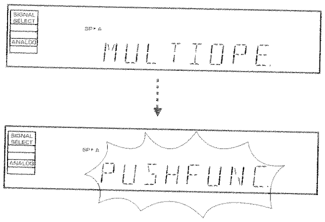

RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER
PERSONAL SURROUND
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER PRE-PROGRAMMED AND LEARNING
2
1,5

* The figure shows the VSX-D606S.

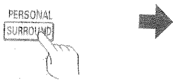
1. Set the multi operation mode.

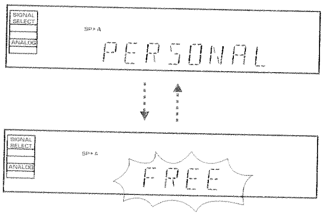

COMMANDER SET UP
+
②

Press ② while pressing the COMMANDER SET UP button.


MULTIOPE
PUSHFUNC

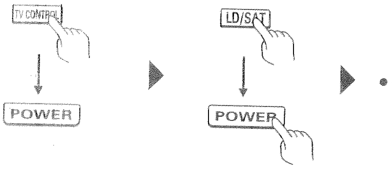
2. Set the personal mode.


PERSONAL SURROUND


PERSONAL
FREE

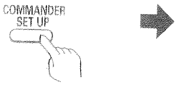
3. Set the functions to be learnt in order.

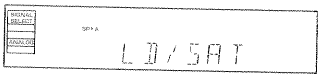
Example:


TV CONTROL
LD/SAT
POWER
POWER
•••

4. Repeat step 3, and memorize the remote control signals (up to 10).

5. End the multi operation (personal mode).


COMMANDER SET UP

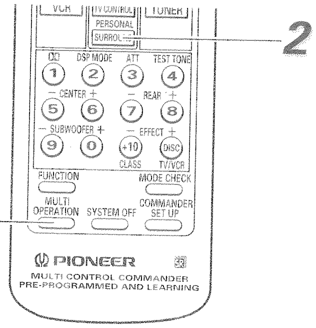


Return to normal operations.

memo

When 10 signals are memorized, the setting mode is automatically ended and the unit returns to normal operation.

Operating the Personal Mode

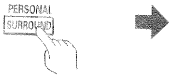

2
1
MULTI OPERATION
PERSONAL SURROUND
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER PRE-PROGRAMMED AND LEARNING

* The figure shows the VSX-D606S.

1. Set the multi operation mode.

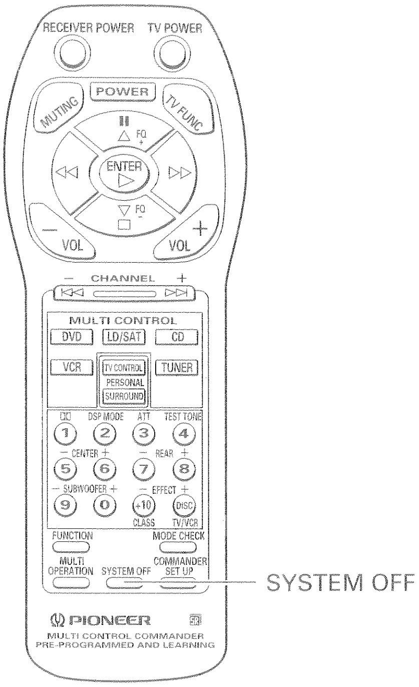
MULTI OPERATION

2. Set the multi operation mode (personal mode).

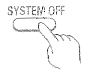

PERSONAL SURROUND

Example: Turns ON the power of the unit, TV and LD player and plays the LD player.

Turning OFF the power of the system


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
SYSTEM OFF

Turn OFF the power of the system including this unit.



Devices is will turn OFF according to the multi operation settings.

Example:
When you are using the remote control unit for VCR operation, and VCR/TAPE is set to "4" in the Multi Operation on page 29, this unit, TV and VCR will turn OFF table by this operation.

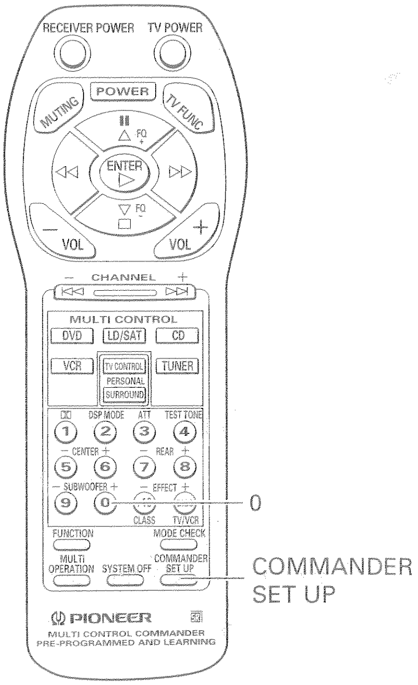
memo

- In some devices that have been turned OFF, turning OFF the system will turn ON the power.
- All the PIONEER products will turn OFF.

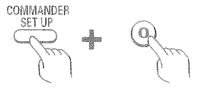
* The figure shows the VSX-D606S.

Canceling all remote control settings

Cancels all settings that have been set or learned.


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
0
COMMANDER SET UP

Cancel the setting.


COMMANDER SET UP
+

While pressing the COMMANDER SET UP button, press ⓪ for more than 3 seconds .

All multi control buttons of the remote control will blink. After blinking three times, all settings will be canceled.

* The figure shows the VSX-D606S.

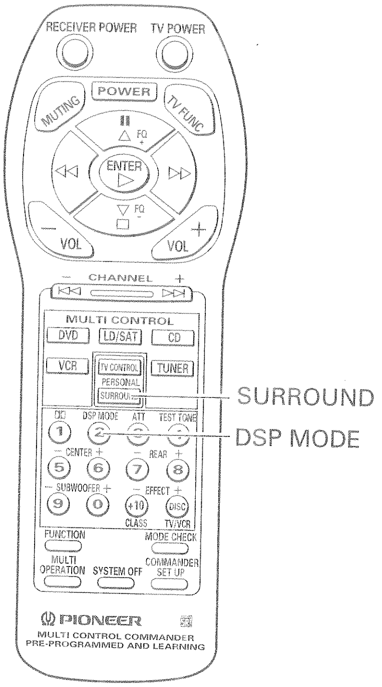
ENJOYING SURROUND EFFECTS

memo (VSX-D606S)

- Turn ON SPEAKER A before operating.
- Even if both SPEAKERS A and B are turned ON, SPEAKERS B is turned off automatically.
- If SPEAKER B is ON, the surround mode will not be set.

Select the SURROUND button to enable surround operations.

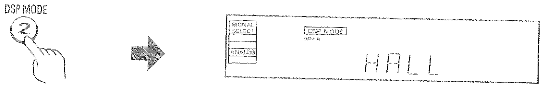
Switching the sound effects [DSP MODE (VSX-D606S)/SFC MODE (VSX-D506S)]


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER
PERSONAL
SURROUND
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
SURROUND
DSP MODE

* The figure shows the VSX-D606S.

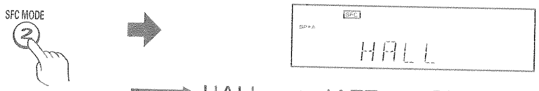
Select the sound effects.

- In the case of VSX-D606S


DSP MODE
2
DSP MODE
HALL

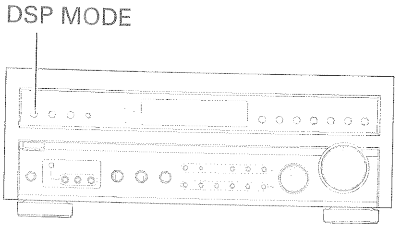
HALL → JAZZ → DANCE
OFF ← THEATER 2 ← THEATER 1

- In the case of VSX-D506S


SFC MODE
2
SFC
HALL

HALL → JAZZ → STUDIO
SFC OFF ← ARENA

Refer to pages 45 and 47 for the characteristics of the surround effects.



* The figure shows the VSX-D606S.

■ Operations of this unit

- In the case of VSX-D606S

Press the DSP MODE button.

Each time it is pressed, the surround effects change as follows.

HALL → JAZZ → DANCE
OFF ← THEATER 2 ← THEATER 1

- In the case of VSX-D506S

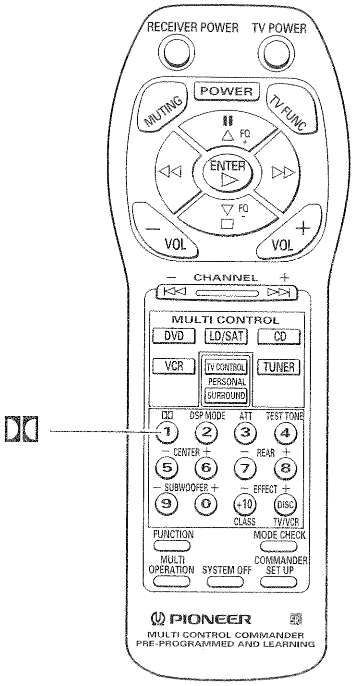
Press the SFC MODE button.

Each time it is pressed, the surround effects change as follows.

HALL → JAZZ → STUDIO
SFC OFF ← ARENA

Switching the Dolby Surround Mode (VSX-D606S)/Dolby Pro Logic (VSX-D506S)

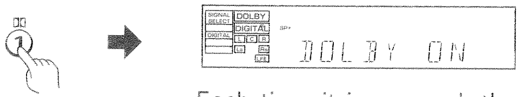
When Dolby Surround mode is ON, the Dolby Pro Logic Surround and Dolby Digital (AC-3) are automatically switched according to the input signal, and playback is performed.


DD
RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING

* The figure shows the VSX-D606S.

● In the case of VSX-D606S

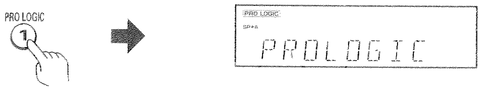
Switch the desired Dolby Surround mode.


DD
1
DOLBY
DIGITAL
DOLBY ON

Each time it is pressed, the mode is turned ON/OFF.

● In the case of VSX-D506S

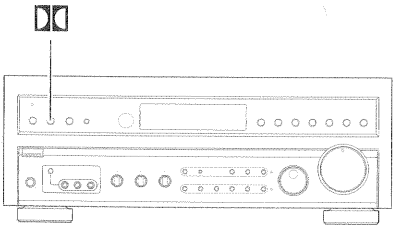
Switch Dolby Pro Logic .


PRO LOGIC
1
PRO LOGIC
PROLOGIC

Each time it is pressed, the mode is turned ON/OFF.

memo

When connecting a LD player or DVD player with the AC-3 RF output as shown in the figure on page 14, and playing back LD or DVD disc in DD DOLBY DIGITAL, the unit is switched to Dolby Digital (AC-3) automatically.



* The figure shows the VSX-D606S.

■ Operations with this unit

● In the case of VSX-D606S

Press the DD button.

The mode is turned ON/OFF each time it is pressed.

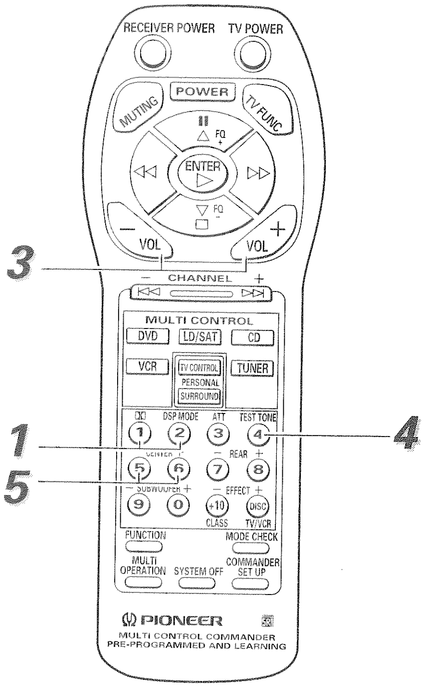
● In the case of VSX-D506S

Press the DOLBY PRO LOGIC button.

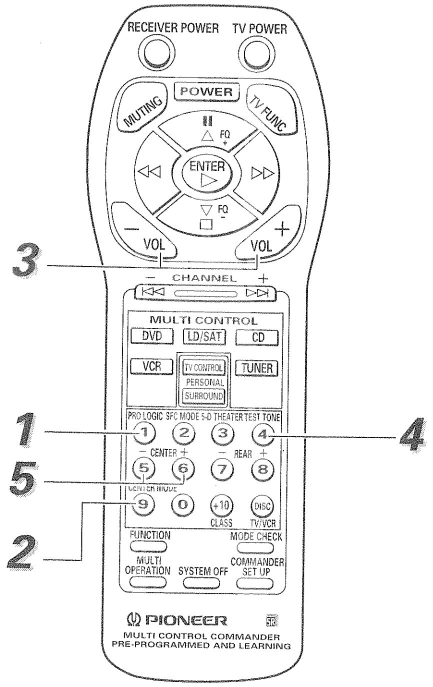
Dolby Pro Logic is turned ON/OFF each time it is pressed.

Enjoying movie and music source in surround mode

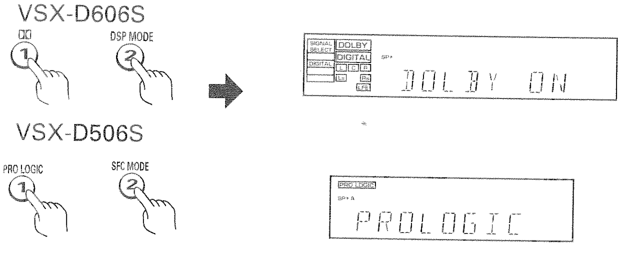
VSX-D606S


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
FQ
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
DISC
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
3
1
5
4

VSX-D506S

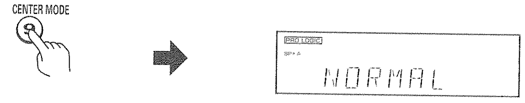

RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
FQ
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
PRO LOGIC
SFC MODE
5-D THEATER
TEST TONE
CENTER
REAR
CENTER MODE
CLASS
TV/VCR
DISC
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
3
1
5
2
4

1. **Select the Dolby Surround mode and DSP mode [Either mode can be set independently (VSX-D606S).]. Select Dolby Pro Logic and SFC mode (VSX-D506S).**

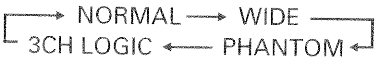

VSX-D606S
DSP MODE
DOLBY ON
VSX-D506S
PRO LOGIC
SFC MODE
PROLOGIC

VSX-D506S only

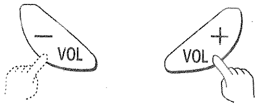
2. **Select the center mode.**


CENTER MODE
PRO LOGIC
NORMAL

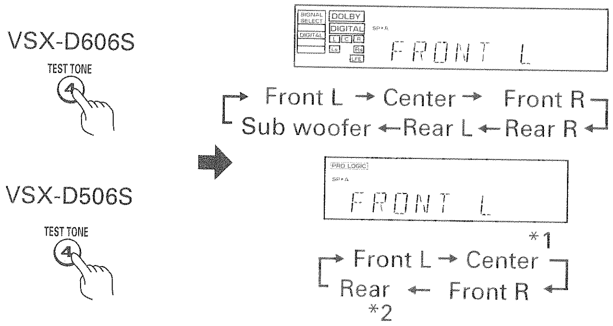
Refer to page 47 for the characteristics of the center modes.


NORMAL
WIDE
PHANTOM
3CH LOGIC

3. **Adjust to the desired volume.**

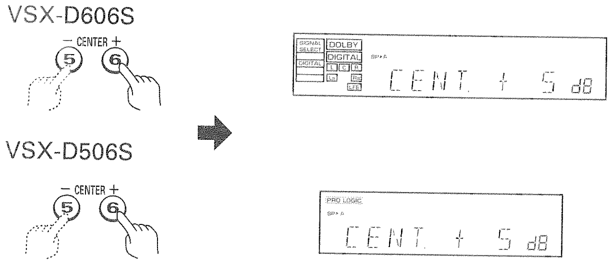


4. **Set the test tone.**

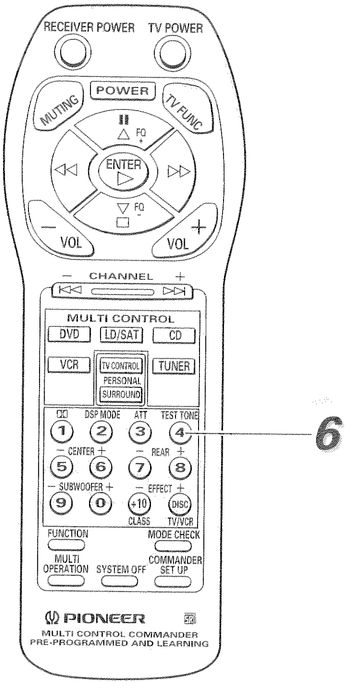

VSX-D606S
TEST TONE
FRONT L
Front L
Center
Front R
Rear R
Rear L
Sub woofer
VSX-D506S
TEST TONE
PRO LOGIC
FRONT L
*1
Front L
Center
Front R
Rear
*2

5. **Adjust the center level, rear level, rear balance (VSX-D606S only) and sub woofer level (VSX-D606S only) so that the test tone volume output from each speaker is the same.**

- Level can be set for each surround mode.
- When both the DSP mode and Dolby Surround mode are turned ON, priority is given to the Dolby Surround mode (VSX-D606S only).

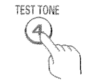

VSX-D606S
CENTER
CENT + 5 dB
VSX-D506S
CENTER
PRO LOGIC
CENT + 5 dB

VSX-D606S

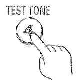

RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
FQ
VOL
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
DSP MODE
ATT
TEST TONE
1
2
3
4
CENTER
REAR
5
6
7
8
SUBWOOFER
EFFECT
9
0
+10
DISC
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
6

6. **Turn OFF the test tone.**

VSX-D606S



VSX-D506S



7. **Play the desired source.**

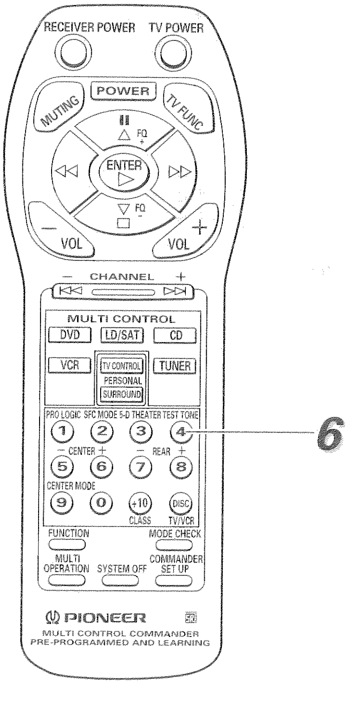
memo

*1 When selecting PHANTOM in the center mode, no test tone is output from the center speaker. (VSX-D506S only)

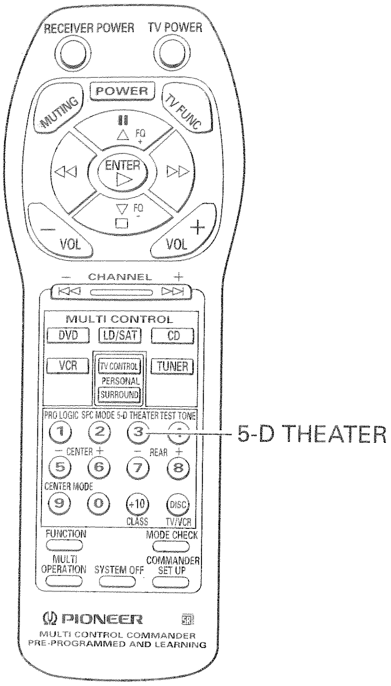
*2 When 3CH LOGIC is selected in the center mode, no test tone from the rear speaker is output.

- This operation need not be performed each time the Dolby Surround mode and DSP mode are turned ON.
- Although test tone is output independently for the Lch and Rch of the rear speakers, the Lch and Rch are operated together when adjusting the rear level.
  If there is a difference between the Lch and Rch, adjust it based on "⑨ Rear balance setting mode" on page 43.

VSX-D506S


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
ENTER
FQ
VOL
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
PERSONAL SURROUND
TUNER
PRO LOGIC
SFC MODE
5-D THEATER
TEST TONE
1
2
3
4
CENTER
REAR
5
6
7
8
CENTER MODE
9
0
+10
DISC
CLASS
TV/VCR
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
6

Turning ON 5-D THEATER (VSX-D506S only)



The 5-D THEATER function provides clear dynamic sound effects by outputting audio signals through the rear channel to simulate stereo sound. Select from the two modes according to the source.

①5-D PRO LOGIC

Suitable for DOLBY PRO LOGIC surround sources with lots of movement such as action movies. It provides sounds with more speed.

②5-D SURROUND

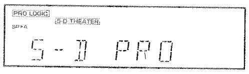
Suitable for stereo sources (CD, etc.)

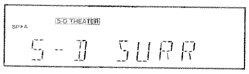
Mixing the surround effects with the 5-D THEATER effects will provide sound with depth.

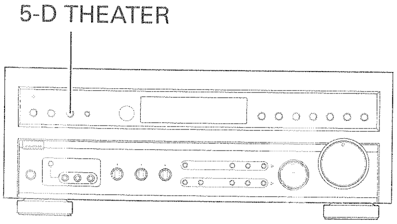
memo Effects may be less in scenes where sounds do not shift, between L and R channels.

Select the 5-D THEATER mode.

5-D PRO LOGIC → 5-D SURROUND
SURR. OFF







■ Operations of this unit

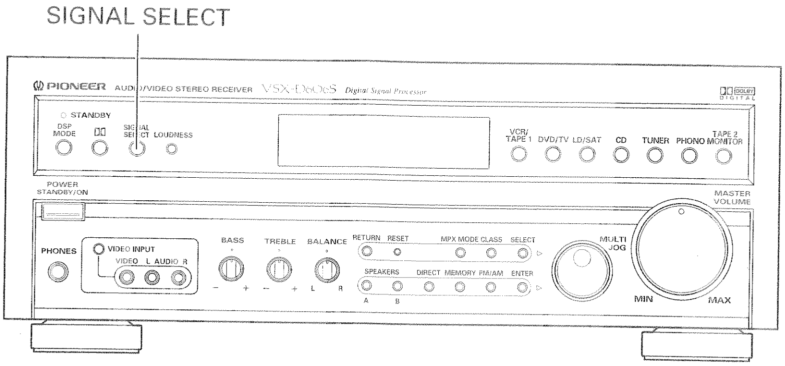
Press the 5-D THEATER button.

The mode is switched as follows with each press.

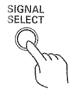
5-D PRO LOGIC → 5-D SURROUND
SURR. OFF

SWITCHING THE INPUT SIGNAL (VSX-D606S ONLY)

The functions DVD and LD have a digital input terminal and AC-3 RF input terminal (LD player only) in addition to the analog input terminal. When the input terminals are connected to the DVD player and LD player output terminals, several input signals will be sent from each player. Use the SIGNAL SELECT button to select input signal. Normally when set to "AUTO", the SIGNAL SELECT mode will change automatically according to the input signal of the player.


SIGNAL SELECT
PIONEER
AUDIO/VIDEO STEREO RECEIVER
VSX-D606S
Digital Signal Processor
DOLBY DIGITAL
STANDBY
DSP MODE
SIGNAL SELECT
LOUDNESS
VCR/ TAPE 1
DVD/TV
LD/SAT
CD
TUNER
PHONO
TAPE 2 MONITOR
POWER STANDBY/ON
MASTER VOLUME
PHONES
VIDEO INPUT
VIDEO L AUDIO R
BASS
TREBLE
BALANCE
RETURN
RESET
MPX MODE CLASS
SELECT
SPEAKERS
DIRECT
MEMORY
FM/AM
ENTER
A
B
MULTI JOG
MIN
MAX

Switch according to the input signal format.


SIGNAL SELECT

➡ AUTO → ANALOG → DIGITAL → AC-3 RF → AUTO
(LD players only)

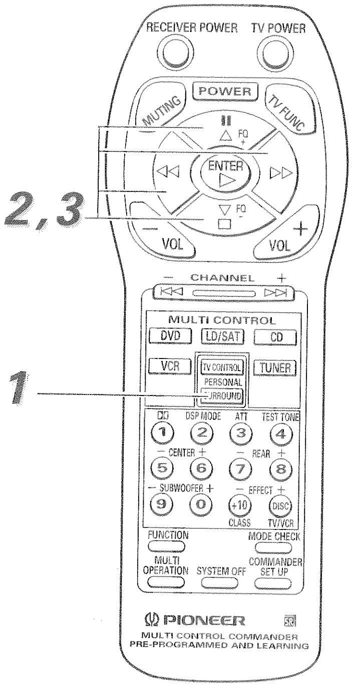
memo

- When set to "AUTO", and several signals such as analog, digital, and AC-3 RF are preset, the signals with priority are; AC-3 RF, digital, analog.
- When selecting functions other than the DVD and LD functions, the SIGNAL SELECT will be set to "ANALOG".

SETTING MODE (VSX-D606S ONLY)

To utilize the surround effects of this unit to the fullest, set according to the speaker system in use. (When using for the first time, or when the speaker system has been changed, set the setting mode.)

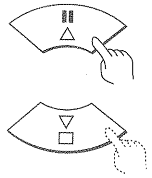
Operating the setting mode


2,3
1
RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
FQ
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR
TV CONTROL
TUNER
PERSONAL
SURROUND
DSP MODE
ATT
TEST TONE
CENTER
REAR
SUBWOOFER
EFFECT
CLASS
TV/VCR
DISC
FUNCTION
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING

1. Select the SURROUND button to enable SURROUND operation.

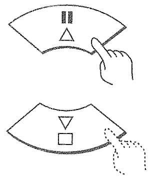
PERSONAL
SURROUND

2. Call the setting mode.



➡ The previously set setting mode will be called. The settings will be displayed for 20 seconds.

3. Select the setting mode.



➡

SPEAKER setting mode
↓
SUB WOOFER ON/OFF mode
↓
Crossover frequency setting mode
↓
LFE attenuator setting mode
↓
Low cut filter ON/OFF setting mode
↓
CENTER delay time setting mode
↓
REAR delay time setting mode
↓
Dynamic range compression setting mode
↓
REAR balance setting mode

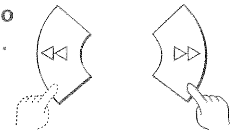
4. While the setting mode is displayed, set in detail according to the "Contents and Changes of the Setting Mode on page 40.

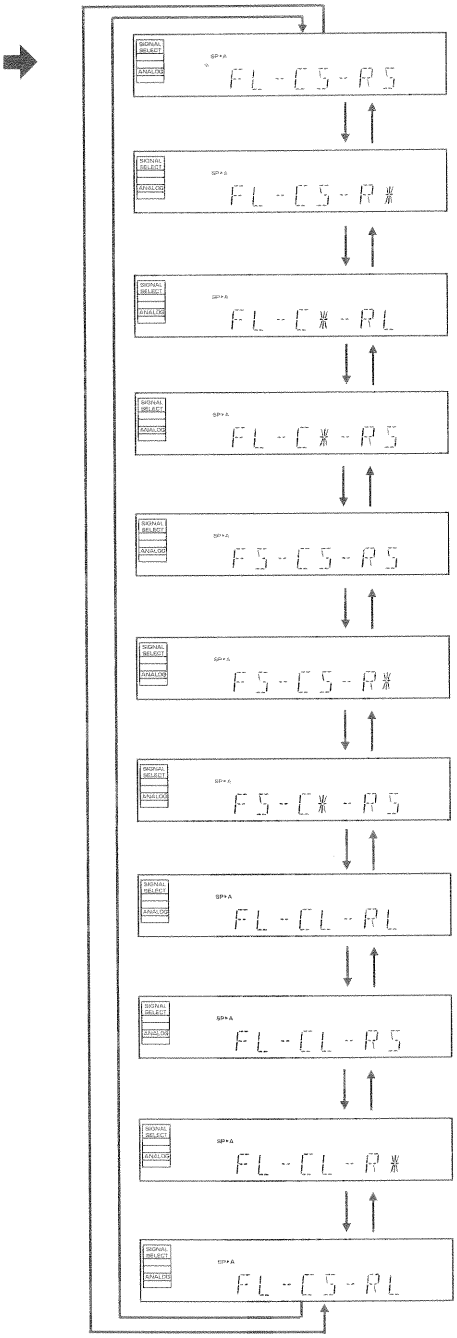
Contents and changes of the setting mode

①SPEAKER setting mode

Sets whether front, center, rear speakers of the system are used or not, and their sizes.

Switch the setting mode according to the speaker system currently installed.




SIGNAL SELECT
ANALOG
SP▸A
FL-CS-RS
FL-CS-R*
FL-C*-RL
FL-C*-RS
FS-CS-RS
FS-CS-R*
FS-C*-RS
FL-CL-RL
FL-CL-RS
FL-CL-R*
FL-CS-RL

In the displays, F stands for FRONT, C for CENTER, R for REAR, L for LARGE, S for SMALL, and * for no speakers.

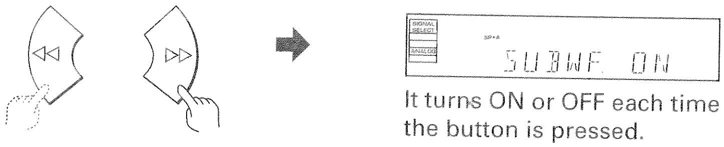
memo

Initially, the speakers are set as follows.
FRONT: Large, CENTER: Small, REAR: Small

②SUB WOOFER ON/OFF setting mode

Sets whether SUB WOOFER (special bass speaker) is used or not.

Turn ON/OFF the SUB WOOFER.



It turns ON or OFF each time the button is pressed.

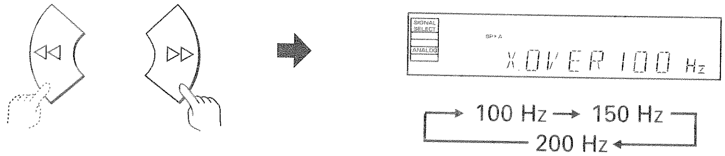
memo

- Initially it is set to OFF.
- If SMALL is selected for the FRONT speaker in the SPEAKER mode, SUB WOOFER is set to ON, and cannot be turned OFF.

③Crossover frequency setting mode

When the bass range of speakers set at SMALL are divided to other speakers with bass functions in the ①SPEAKER setting mode, sets how much sound (below how many Hz) is to be divided to the other speakers dualing playback.

Set the crossover frequency.



→ 100 Hz → 150 Hz → 200 Hz →

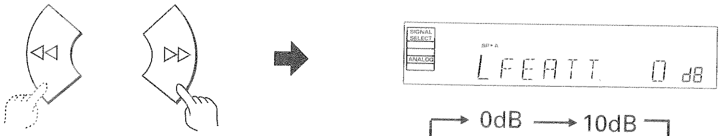
memo

- Initially, it is set to 100Hz.
- It is recommended that it be set to 200Hz when only small speakers are used, although this depends on the efficiency of the speaker.
- If all speakers (front, center, rear) are set to LARGE in ① SPEAKER setting mode, crossover frequency cannot be set.

④LFE Attenuator setting mode

If this ultra bass component (LFE channel) distorts the sound from the speakers, set to attenuate the level.

Set the attenuation level.



→ 0dB → 10dB → ∞ (Display/**) →

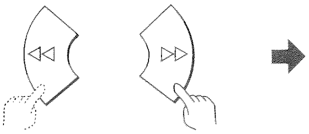
memo

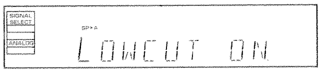
Initially, it is set to 0 dB.

⑤Low cut filter ON/OFF setting mode

Turn ON the low cut filter when distorted sound is output through the sub woofer.

Turn ON/OFF the low cut filter.





It turns ON or OFF each time the button is pressed.

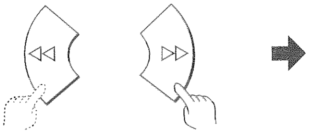
memo

- Initially, it is set to OFF.
- If the SUB WOOFER is set to OFF in the SUB WOOFER ON/OFF mode, the low cut filter cannot be set.

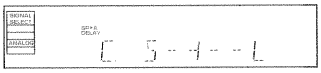
⑥CENTER delay time setting mode

Normally as the CENTER speaker is placed directly in front in the listening room, it is closer to the listening position than the FRONT speakers. This means that the sound from the CENTER speaker will be heard before the FRONT speakers. To prevent this, use the CENTER delay time setting mode to set the same distance to the listening position for the FRONT and CENTER speakers.
One step sets about 30 cm (1 foot).

Set the CENTER delay time.



Moves by one step each time the buttons is pressed.



S:SHORT
L:LONG
Can be set up to 6 steps.

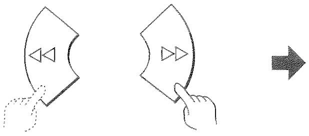
memo

- Initially, it is set to the shortest time (0 ms).
- When it is set to no CENTER speaker in ①SPEAKER setting mode, the CENTER delay time cannot be set.
- The CENTER delay time is effective only in Dolby Digital.

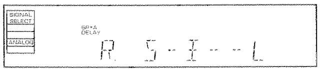
⑦REAR delay time setting mode

Like the ⑥CENTER delay time setting mode, set so that the distance from the FRONT speakers to the listening position and that from the REAR speakers to the listening position are virtually the same.
One step sets about 1 to 1.5m (3 to 5 feet).

Set the REAR delay time.



Moves by one step each time the button is pressed.



Can be set up to 4 steps.

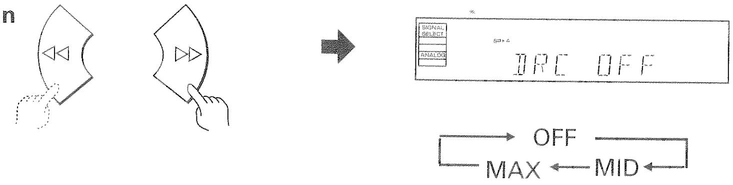
memo

- Initially, the distance from the listening position to the REAR speakers is set shorter than that to the FRONT speakers.
- When it is set to no REAR speakers in ① SPEAKER setting mode, the REAR delay time cannot be set.
- The REAR delay time is effective in the Dolby Surround mode (both for Dolby Digital and Pro-Logic).

⑧Dynamic range compression mode

Dynamic range means playback performance. It indicates in numbers (dB) how loud and low-level sounds can be played back properly (so that low-level sounds are not covered by noises and the loud sounds are not distorted). Dynamic range compression is a function which compresses this dynamic range. Even when watching a movie with the volume set to a low-level, setting this function enables low level sounds to be heard more easily.

Set the dynamic range compression mode.



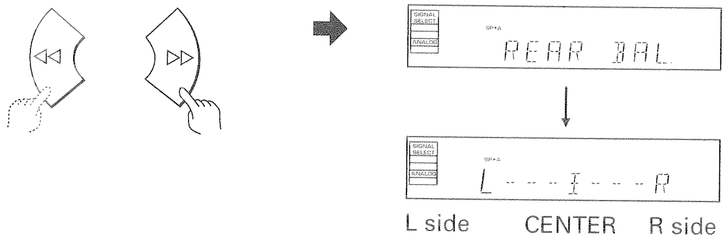
memo

- Initially, it is set to OFF.
- When raising the volume level, set to OFF.

⑨REAR balance setting mode

Adjusts the left and right volume balance of the REAR speakers.

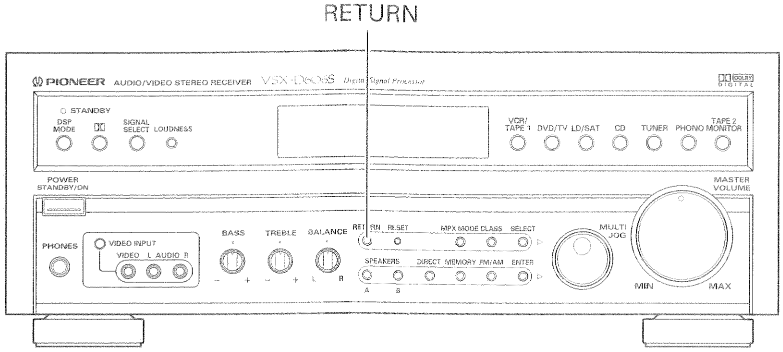
Set the REAR balance.



memo

- Initially, it is set to CENTER.
- When the ①SPEAKER setting mode is set to no REAR speaker or when Surround mode is OFF, REAR balance cannot be set.

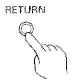
RETURNING TO BROADCAST RECEPTION MODE (RETURN BUTTON)


RETURN
PIONEER AUDIO/VIDEO STEREO RECEIVER VSX-D606S Digital Signal Processor
STANDBY
DSP MODE
SIGNAL SELECT
LOUDNESS
VCR/TAPE 1
DVD/TV
LD/SAT
CD
TUNER
PHONO
TAPE 2 MONITOR
POWER STANDBY/ON
MASTER VOLUME
PHONES
VIDEO INPUT
VIDEO L AUDIO R
BASS
TREBLE
BALANCE
RETURN
RESET
MPX MODE
CLASS
SELECT
SPEAKERS
A
B
DIRECT
MEMORY
FM/AM
ENTER
MULTI JOG
MIN
MAX

* The figure shows the VSX-D606S.

If no sound is produced while this unit is operating or when help is required, press this button to return to the broadcast reception mode.

To return to the broadcast reception mode.



Settings will be as follows.

- TAPE 2 MONITOR: OFF
- MUTING: OFF
- Function: TUNER

  The station received the last time will be received. If the station cannot be received, auto tuning will be performed to find a receivable station.
- If the SURROUND MODE, LOUDNESS, DIRECT are ON, they will be set to OFF.

  These settings are memorized for each function, settings of functions other than TUNER will be maintained.
- SPEAKERS A,B: Only A is ON

5. OTHER

SURROUND (VSX-D606S)

Surround type

Dolby Digital (AC-3)

Mode for enjoying movie and music software with the DOLBY DIGITAL (DOLBY SURROUND AC-3 DIGITAL) mark.

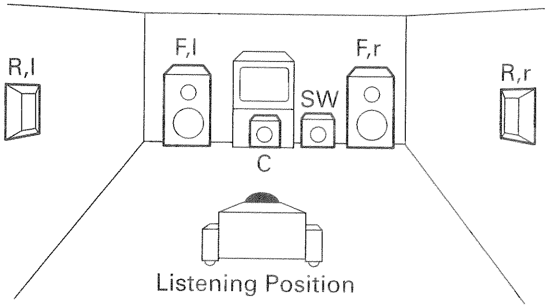
Dolby Digital (AC-3) is a compression format which records the sound of 6 channels of the theater surround system (Dolby Digital) on the movie film digital track. Of the 6 channels, the sub woofer channel is intended for bass only, and because the frequency range is smaller than the main channel, it is expressed as 5.1 channel.

Dolby Pro Logic Surround

Set to this position for movie and music sources (especially software with the DOLBY SURROUND mark).

The Dolby Pro Logic Surround continuously detects the size and direction of the signal.

This clarifies the position of the sound source, reproducing natural sound flow.



* In the above figure, F stands for FRONT speakers, R for REAR speakers, C for CENTER speakers, SW for sub woofer, r for right, and l for left.

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■ DSP mode

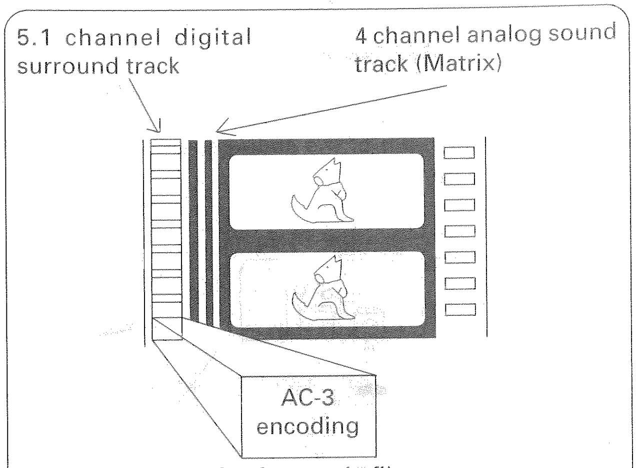
HALL	Simulates the acoustic effects of a large concert hall in Europe. Suitable for classical music. Long delay time of reflected sounds (approx. 20 to 200 ms), coupled with reverberation effects let the listener enjoy the dynamic and beautiful sounds characteristic of concert halls and powerful orchestral performances.
JAZZ	Simulates the acoustic effects of general jazz clubs with a floor space of around 400m^2 (approx.4200ft^2). Reflected sound is virtually below 100 ms, for the listener to enjoy live-band effects.
DANCE	Simulates the acoustic effects of discos with a square dance floor. Features strong bass sound. Reflected sound delay time is virtually below 50 ms, for the listener to enjoy the "fever" of disco sounds.
THEATER 1	Sets the delay time of the reflected sound best suited for playing back acoustic parameters of a medium movie theater (with seating capacity of 300) in your living room. (About 30 to 120 msec.)
THEATER 2	Reproduces theater sound field effects without losing the localization of each channel. Theater effects can be enjoyed without losing Dolby Digital (AC-3) or Dolby Pro Logic effect when used in combination.

memo

Use of THEATER 1 or 2 together with the Dolby Surround mode [Dolby Digital (AC-3) or Dolby Pro Logic] will produce better surround effects.

Dolby Digital (AC-3)

Dolby Digital (AC-3) is the name of the Dolby surround multi-channel digital system that was developed after the Dolby Surround System and Dolby Pro Logic Surround System.


5.1 channel digital surround track
4 channel analog sound track (Matrix)
AC-3 encoding

AC-3 for movie films

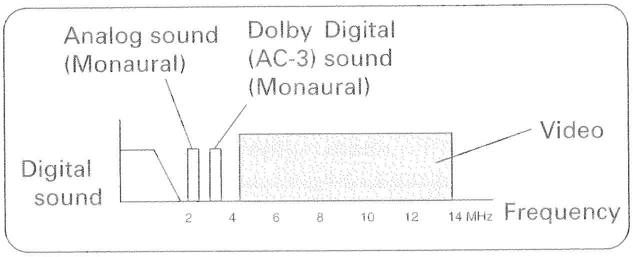
The number of movies made using Dolby Digital since 1992 has exceeded 300 and continues to increase. For compact disc players and laser disc digital sounds, 16 bits are used to sample the original analog audio waveform and sampling is carried out 44,100 times every second. However because an enormous amount of recording signal data is required for the multi channel system with this method, AC-3 is used to compress the data.

In reproducing audio signals, the smaller the bit number used, the lower the sound quality. With AC-3, drop in auditory sound quality is prevented by using any masking technology and digital filtering technology based on the personal auditory characteristics.

■ Laser disc format

Laser discs are now available on the market in large numbers. This means that the recording of different format audio signals on the laser disc raises the important question of compatibility with existing laser discs. Dolby Digital (AC-3) records signals using one analog audio channel to maintain this compatibility with existing discs and players.

As shown in the following figure, the digital audio sounds of Dolby Digital (AC-3) discs can be played back as currently done. Analog sounds are played back by using the other channel without the Dolby Digital (AC-3) signals for monaural audio signals.



■ Comparison with Dolby Pro Logic Surround

Dolby Digital (AC-3) is also known as the 5.1 channel system. It is equipped with 5 channels (front left, front right, center, rear left, rear right) in the frequency range from 20 Hz to 20 kHz and an independent sub woofer channel. The sub woofer channel is also called LFE (Low Frequency Effect).

The LFE channel can be used as desired to enjoy strong bass sounds.

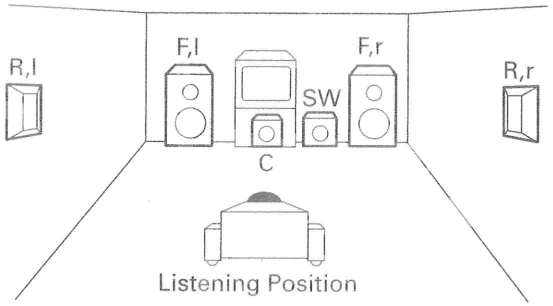
The following table shows the comparison with Dolby Pro Logic Surround effects.

	Dolby Digital (AC-3)	**Dolby Pro Logic Surround**
No. of recording channels	5.1 channels (Max.)	2 channels
No. of playback channels	5.1 channels (Max.)	4 channels
Playback channel structure	Front left, front right, center, rear left, rear right, sub woofer	Front left, front right, center, rear
Sound processing	Digital discrete processing	Analog matrix processing
Rear (Surround) high frequency playback limit	20,000 Hz	7,000 Hz
Other	● 5.1 channel is completely independent ● High dynamic range ● Stable position, high phase characteristics, and advanced surround effects reproduction	

SURROUND (VSX-D506S)

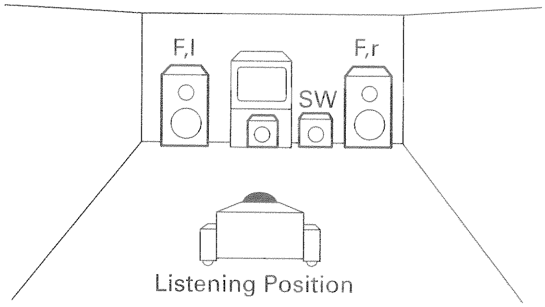
Dolby Pro Logic Surround

Set to this position for video and music sources (especially sources with DOLBY SURROUND marks). Dolby Pro Logic Surround continuously detects the size and direction of signals. As a result, the position of the sound source becomes clear, enabling reproduction of natural sound flow.



Dolby 3CH Logic

Same system as the Dolby Pro Logic surround except that REAR speakers are not installed. REAR speaker signals are played back by the FRONT speakers, while preserving the center channel output for good dialog localization.



* In the above figure, F stands for FRONT speakers, R for REAR speakers, C for CENTER speakers, SW for sub woofer, r for right, and l for left.

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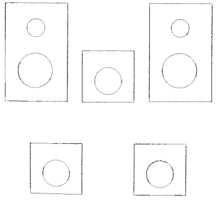
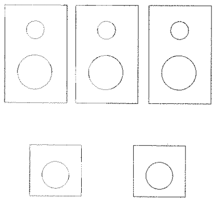
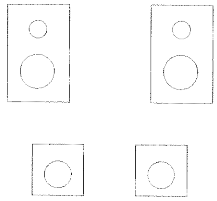
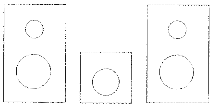
■ Selecting the center mode

When Dolby Pro Logic is ON, pressing the CENTER MODE button will switch the mode as follows.

→ NORMAL → WIDE ↓
3ch LOGIC ← PHANTOM ←

NORMAL	WIDE	PHANTOM	3ch LOGIC
Plays back middle and high range sounds from the CENTER speaker. Sounds are at the fixed position. The bass from the center channel is played back by the FRONT speakers.	Using the same-size speaker as the FRONT speakers for the CENTER speaker enables sounds from bass to treble to be played back more naturally.	The center channel sounds are played back between the L and R FRONT speakers.	The surround channel sounds and center channel bass sounds are played back between the L and R FRONT speakers.
			

■ SFC modes

HALL	Simulates large concert halls in Europe. Suitable for classical music. Lets the listener enjoy the dynamic and beautiful sounds characteristic of concert halls and powerful orchestral performances.
JAZZ	Simulates the acoustic effects of general jazz clubs. Lets the listener enjoy live-band effects.
STUDIO	Simulates the acoustic effects of recording studios. Best suited for jazz and combo sources.
ARENA	Simulates the same effects as live performance sources. Best suited for rock, etc.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Cause	Remedy
The power does not turn ON.	● The power plug is disconnected from the outlet.	● Insert into the wall outlet.
	● The cause may lie in the protection circuit.	● Disconnect the power plug from the outlet, and insert again.
The unit does not work even when the buttons are pressed.	● Due to effects of static electricity effects when the air is dry.	● Press the front panel RESET button. (VSX-D606S only) ● Disconnect the power plug from the outlet, and insert again.
No sound is output when a function is set.	● Not properly connected.	● Refer to pages 12, 13 and 14 and connect again.
	● Sound is muted.	● Press the MUTING button on the remote control unit.
	● The volume is turned down.	● Adjust MASTER VOLUME.
	● The TAPE 2 MONITOR is ON.	● Press the TAPE 2 MONITOR button.
	● The speaker switch is OFF.	● Press the SPEAKER button of terminal (A/B) connected to the speakers.
No image is output when a function is set.	● Not properly connected.	● Refer to pages 12 and 13, and connect again.
	● The input source is not properly selected.	● Press the correct button.
Considerable noise in radio broadcasts	● Not received at proper frequency.	● Receive the correct frequency.
	● The antenna is not connected.	● Connect the antenna properly. (P. 12, 13)
	● AC-3 RF and digital signal connection wires are near the antenna terminal and antenna wires.	● Distance the AC-3 RF and digital signal wires from the antenna terminal and antenna wires.
	[FM broadcast reception] ● The FM antenna is not stretched out, and faces an inappropriate direction.	● Stretch out the antenna and secure it to a wall while selecting the direction and position with the best reception state.
	● Weak radio waves.	● Change the FM antenna to an outdoor antenna of multiple elements. (P. 12)
	[AM broadcast reception] ● The AM antenna faces inappropriate direction.	● Select the direction and position with the best reception state.
	● Weak radio waves.	● Turn off the equipment which cause noise or move them away from the unit.
	● Affected by other equipment. (Fluorescent lamp, motor, etc.)	● Distance the antenna from the equipment which cause noise.
Broadcast stations cannot be selected automatically.	● Weak radio waves.	● Change the FM antenna to an outdoor antenna of multiple elements. (P. 12)

Symptom	Cause	Remedy
No sound from rear or center speakers.	● Settings are incorrect. ● Rear or Center level is turned down. ● The REAR or CENTER speaker is disconnected.	● Refer to pages 40 and 47, and set. ● Raise the level. ● Connect. (P. 12, 13)
Sound is produced from other functions, but no sound from LD player or DVD player. (VSX-D606S)	● SIGNAL SELECT is set to other input signal than that connected to.	● Set the SIGNAL SELECT to AUTO.
Cannot be remote controlled.	● The remote control unit batteries have worn out. ● Too great of a distance. Bad angle. ● There is an obstacle blocking signals in between. ● Strong light such as fluorescent light is shining onto the unit's remote control signal light-receiving window.	● Replace the batteries. (P. 7) ● Operate within 7m, 30 deg. from the left and right. ● Remove the obstacle or operate from somewhere else. ● Avoid direct exposure of the remote control light-receiving window to the light.

If the unit does not operate normally due to external effects such as static electricity, press the RESET button on the front panel (VSX-D606S) or disconnect the power plug from the outlet and insert again to return to the normal operating conditions.

LIST OF MANUFACTURER CODES

Device	Manufacturer	Manufacturer Code
DVD	TOSHIBA	001
	PIONEER	000
LD	SONY	101
	PANASONIC	105,106
	KENWOOD	103
	PHILIPS	104
	MITSUBISHI	100
	RCA	107
	PIONEER	100 102 (DVD code)
SAT	RCA	201,203
	SONY	202
	PIONEER	200
VCR	RCA	401,406,408,414,405,413,411 415
	ZENITH	403,404,417
	MAGNAVOX	414,408,426,403
	FISHER	410,426,412,427,425,420
	PANASONIC	408,432,433
	TOSHIBA	405,409,426
	JVC	428,430,429,408,414,431,407
	HITACHI	408,401,406,436,434
	SONY	416,417,404,408
	MITSUBISHI	409,420,421,422,423,424,408 407
	SANYO	410,412,425,435
	SHARP	402,418,419
	GOLDSTAR	411,409
	OPTIMUS	408,432,433,402,418,419
	PIONEER	400
TAPE	SONY	801,806
	TECHNICS	803
	KENWOOD	804,807
	TEAC	805
	DENON	810
	ONKYO	809,808
	YAMAHA	811,812
	JVC	802
	FISHER	813
TAPE	OPTIMUS	800
	PIONEER	800
CD	SONY	301,316,317,318
	TECHNICS	304,326
	KENWOOD	310,321,311
	DENON	309
	RCA	302,319,313
	PHILIPS	312,322
	YAMAHA	315,314,328
	JVC	303
	TEAC	305,306,327,324,325
	ONKYO	320,308,307
	MARANTZ	323,312,324
	SANYO	313
	OPTIMUS	300
	PIONEER	300
TV	RCA	601,610,615,616,617,618
	ZENITH	603,620
	MAGNAVOX	607,610,603,612,629
	GE	601,608,607,610,617,602,628 618
	PANASONIC	608,622,607
	SONY	604
	TOSHIBA	605,602,626,621
	MITSUBISHI	609,610,602,621
	HITACHI	606,610,624,625,618
	JVC	613,623
	SHARP	602,619,627
	SANYO	621,614
	PHILIPS	607
	GOLDSTAR	610,623,621,602
	RADIO SHACK	610,623,621,602
	PIONEER	600
CATV	JERROLD	711,701,702,712,704,713,703 714,716,715
	S.A.	705,706,708,709
	ZENITH	707,717,710
	PIONEER	700

SPECIFICATIONS

Amplifier Section

Continuous average power output of 100 watts* per channel, min., at 8 ohms, from 20 Hz to 20,000 Hz with no more than 0.09 % total harmonic distortion (front).**

[Multi-voltage model only]	
Continuous Power Output (DIN)	
Front (1 kHz, T.H.D. 1 %, 8 Ω)	
VSX-D606S	130 W + 130 W
VSX-D506S	110 W + 110 W
[U.S. and Canadian models only]	
Continuous Power Output	
Front	100 W + 100 W (1 kHz, 0.8 %, 8 Ω)
Center	100 W (1 kHz, 0.8 %, 8 Ω)
Rear	100 W (1 kHz, 0.8 %, 8 Ω)

Input (Sensitivity/Impedance)	
PHONO MM	2.8 mV/47 kΩ
LD/SAT, CD, VCR/TAPE 1, TAPE 2 DVD/TV, VIDEO	200 mV/47 kΩ
Phono Overload Level (T.H.D. 0.1 %, 1kHz)	
PHONO MM	100 mV
Frequency Response	
PHONO MM	20 Hz to 20,000 Hz ± 0.3 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2 DVD/TV, VIDEO	5 Hz to 100,000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)	
VCR/TAPE 1 REC, TAPE 2 REC	200 mV/2.2 kΩ
Tone Control	
BASS	± 9 dB (100 Hz)
TREBLE	± 9 dB (10 kHz)
Signal-to-Noise Ratio (IHF, short circuited, A network)	
PHONO MM	
VSX-D606S	75 dB
VSX-D506S	72 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2, DVD/TV, VIDEO	
VSX-D606S	97 dB
VSX-D506S	96 dB
Signal-to-Noise Ratio [EIA, at 1 W (1kHz)]	
PHONO MM	75 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2, DVD/TV, VIDEO	
VSX-D606S	80 dB
VSX-D506S	79 dB

* *Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.*

** *Measured by Audio Spectrum Analyzer.*

VIDEO Section

Input (Sensitivity/Impedance)	
LD/SAT, VCR, DVD/TV, VIDEO	1 Vp-p/75 Ω
Output (Level/Impedance)	
VCR REC, MONITOR TV	1 Vp-p/75 Ω
Frequency Response	
LD/SAT, VCR, DVD/TV, VIDEO → MONITOR	5 Hz to 7 MHz $^{+0}_{-3}$ dB
Signal-to-Noise Ratio	55 dB
Cross Talk	55 dB

FM Tuner Section

Frequency Range	87.5 MHz to 108 MHz
Usable Sensitivity	Mono: 11.2 dBf, IHF (1.0 μV/75 Ω)
50 dB Quieting Sensitivity	Mono: 16.8 dBf Stereo: 38.6 dBf
Signal-to-Noise Ratio	Mono: 73 dB (at 85 dBf) Stereo: 70 dB (at 85 dBf)
Distortion	Stereo: 0.5 % (1kHz)
Alternate Channel Selectivity	60 dB (400 kHz)
Stereo Separation	40 dB (1 kHz)
Frequency Response	30 Hz to 15 kHz (± 1) dB
Antenna Input	75 Ω unbalanced

AM Tuner Section

Frequency Range	531 kHz to 1,602 kHz (9 kHz step) 530 kHz to 1,700 kHz (10 kHz step)
Sensitivity (IHF, Loop antenna)	350 μV/m
Selectivity	25 dB
Signal-to-Noise Ratio	50 dB
Antenna	Loop antenna

Miscellaneous

Power Requirements	
U.S. and Canadian models	AC 120 V, 60 Hz
Multi-voltage model	AC 110 V/120-127 V/220 V/240 V (Switchable), 50/60 Hz
Power Consumption	
U.S. and Canadian models	
VSX-D606S	280 W, 400 VA
VSX-D506S	260 W, 360 VA
Multi-voltage model	
VSX-D606S	295 W
VSX-D506S	265 W
In Standby Condition	2.5 W
AC Outlet (Multi-voltage, U.S. and Canadian models only)	
U.S. and Canadian models	
SWITCHED	100 W (0.8 A) MAX
Multi-voltage model	
SWITCHED	100 W MAX
Dimensions	
VSX-D606S	420 (W) × 160 (H) × 374 (D) mm 16-9/16 (W) × 6-5/16 (H) × 14-3/4 (D) in
VSX-D506S	420 (W) × 155 (H) × 374 (D) mm 16-9/16 (W) × 6-1/8 (H) × 14-3/4 (D) in
Weight (without package)	
VSX-D606S	
U.S. and Canadian models	9.4 kg (20 lb 12 oz)
Multi-voltage model	9.8 kg (21 lb 10 oz)
VSX-D506S	
U.S. and Canadian models	9.1 kg (20 lb 1 oz)
Multi-voltage model	9.2 kg (20 lb 5 oz)

Furnished Parts

FM Antenna	1
AM Loop Antenna	1
Dry Cell Batteries (AA/LR6)	2
Remote Control Unit	1
Operating Instructions	1
Sub instruction manual (Remote Control Unit)	1
Sub instruction manual [Dolby Digital (AC-3)]	1

NOTE:

Specifications and the design are subject to possible modifications without notice, due to improvements.

Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion-and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:
- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:
- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

MAINTENANCE OF EXTERNAL SURFACES

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the surfaces are dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and wrung out well, and then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzine, insecticide sprays or other chemicals on or near this unit, since these will corrode the surfaces.

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